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Natural Resources Conservation Service

Montana Basin Outlook Report March 1, 1997



Basin Outlook Reports

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and Federal - State - Private Cooperative Snow Surveys

For more water supply and resource management information, contact: See Attached List

How forecasts are made

Most of the annual streamflow in the Western United States originates as snowfall that has accumulated high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are combined with snowpack data to prepare runoff forecasts. Streamflow forecasts are coordinated by Natural Resources Conservation Service and National Weather Service hydrologists. This report presents a comprehensive picture of water supply conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Snowpack data are obtained by using a combination of manual and automated SNOTEL measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation and temperature are monitored on a daily basis and transmitted via meteor burst telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

Forecast uncertainty originates from two sources: (1) uncertainty of future hydrologic and climatic conditions, and (2) error in the forecasting procedure. To express the uncertainty in the most probable forecast, four additional forecasts are provided. The actual streamflow can be expected to exceed the most probable forecast 50% of the time. Similarly, the actual streamflow volume can be expected to exceed the 90% forecast volume 90% of the time. The same is true for the 70%, 30%, and 10% forecasts. Generally, the 90% and 70% forecasts reflect drier than normal hydrologic and climatic conditions; the 30% and 10% forecasts reflect wetter than normal conditions. As the forecast season progresses, a greater portion of the future hydrologic and climatic uncertainty will become known and the additional forecasts will move closer to the most probable forecast.

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778-2217

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BASIN SUMMARY OF SNOW COURSE DATA

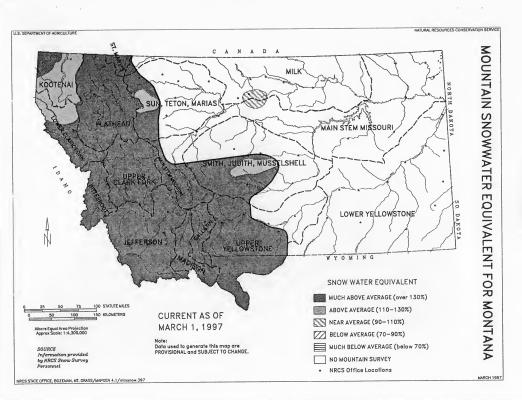
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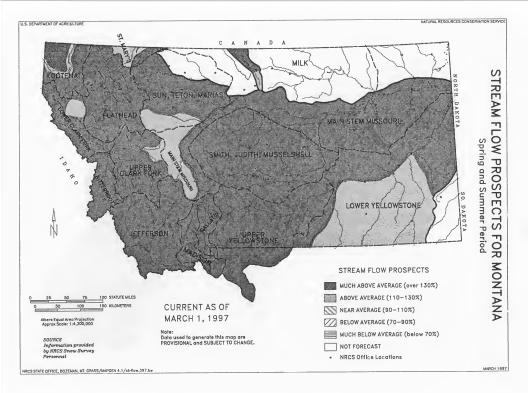
	SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-90
MON	TANA						
	ABUNDANCE LAKE	8800	2/28/97	79	24.5	23.2	16.8
	ALBRO LAKE PILLOW	8300	3/01/97		23.5	25.2	
	AMBROSE	6480	2/27/97	60	17.9	10.8	11.0
	ASHLEY LAKE	4000	2/25/97	34	9.3	5.6	6.1
	ARCH FALLS	7350	2/26/97	55	16.0	9.7	9.8
	ASHLEY DIVIDE	4820	2/25/97	38	11.7	5.6	6.4
	BADGER PASS PILLOW	6900	3/01/97		37.1	34.4	30.8
	BANFIELD MTN PILLOW	5600	3/01/97		22.7	18.7	17.4
	BAREE CREEK	5500	2/24/97	120	44.7	10.7	39.4
	BAREE MIDWAY	4600	2/24/97	53	18.2	21.4	30.5
	BARKER LAKES PILLOW	8250	3/01/97		15.9	12.6	12.2
	BASIN CREEK PILLOW	7180	3/01/97		8.4	6.3	6.5
	BASSOO PEAK	5150	2/26/97	45	14.6	8.2	10.0
	BEAGLE SPGS PILLOW	8850	3/01/97	45	10.7	8.7	6.8
	BEAR BASIN	8150	2/26/97	75	25.4	20.2	17.6
	BEAVER CREEK PILLOW	7850	3/01/97		26.8	16.8	14.8
	BIG SNOWY	7150	2/26/97	57	16.6	10.0	17.3
					17.3		
	BISSON CREEK PILLOW BLACK BEAR PILLOW	4920 7950	3/01/97		51.2	7.8	9.7 31.7
			3/01/97		17.9	40.3	
	BLACK MOUNTAIN	7750 7100	2/24/97 3/01/97	62	14.5	11.0 13.9	12.2 10.5
	BLACK PINE PILLOW			60			
	BLACKTAIL	5650	2/25/97		19.6	11.9	12.6
	BLOODY DICK PILLOW BLUE LAKE	7550 5900	3/01/97 2/24/97	81	17.1 26.0	15.3 20.6	10.7 22.0
	BOTS SOTS	7750	2/28/97	44	10.6	9.6	6.3
	BOULDER MTN PILLOW	7950	3/01/97		22.9	19.1	17.0
	BOX CANYON PILLOW	6700	3/01/97		14.8	11.6	8.8
	BOXELDER CREEK	5100	2/28/97	32	6.1	4.1	7.4
	BRACKETT CR PILLOW	7320	3/01/97		28.4	21.7	16.7
	BRANHAM LAKES	8850	2/24/97	98	37.1	33.2	24.5
	BRIDGER BOWL	7250	2/24/97	100	35.0	21.8	21.5
	BRUSH CREEK TIMBER	5000	2/24/97	36	9.8	5.6	8.6
	BULL MOUNTAIN	6600	2/26/97	30	8.2	5.5	5.2
	CABIN CREEK	5200	2/27/97	37	8.2	5.8	6.0
	CALL ROAD	8050	3/04/97	50	12:9	10.5	9.4
	CALVERT CR PILLOW	6430	3/01/97		14.7	11.0	8.0
	CAMP SENIA	7890	2/28/97	33	7.6	7.9	4.6
	CARROT BASIN PILLOW	9000	3/01/97		36.4	28.2	22.6
	CARTER CREEK	7400	3/04/97	33	6.6	4.0	3.9
	CHESSMAN RESERVOIR	6200	2/24/97	16	3.8 23.4	.5	3.4
	CHICKEN CREEK	4060	2/27/97	74	18.9	15.9 15.7	14.3
	CLOVER MDW PILLOW	8800	3/01/97				14.9
	COLE CREEK PILLOW	7850	3/01/97		14.3	15.9	12.9
	COMBINATION PILLOW	5600	3/01/97		7.4	3.6	5.1
	COPPER BOTTOM PILLO		3/01/97		16.9	11.0	10.0
	COPPER CAMP PILLOW	6950 7700	3/01/97	50	36.8 14.8	37.6 11.2	29.8 9.1
	COPPER MOUNTAIN		2/28/97				
	COTTONWOOD CREEK	6400	2/24/97	38	9.9	4.0	6.5
	COYOTE HILL	4200	2/28/97	54	16.2	8.8	9.5
	CREVICE MOUNTAIN	8400	2/23/97	50	14.5	10.4	9.0
	CRYSTAL LAKE PILLOW		3/01/97		11.1	5.7	10.7
	DAD CREEK LAKE	8400	2/28/97	56	14.3	14.8	11.0
	DAISY PEAK	7600	2/27/97	43 43	10.8	9.0	9.0
	DAISY PEAK	7600	2/27/97	43	10.8	9.0	9.0

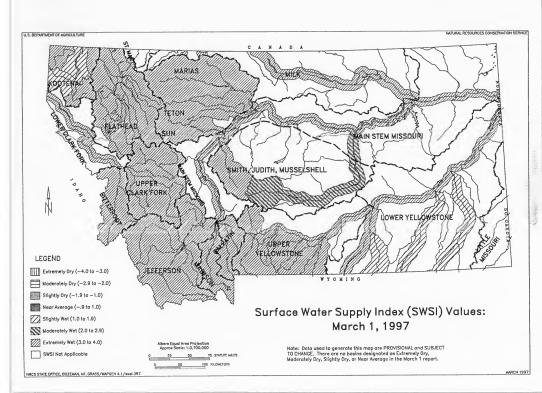
DALY CREEK PILLOW 5780 3/01/97 16.9 9.9 10.0 DARKHORSE LK. PILLOW 8700 3/01/97 38.4 33.3 27.9 DAVIS CREEK 5400 2/28/97 91 32.6 24.4 21.1 DEADMAN OR PILLOW 6450 3/01/97 20.3E 11.9 13.2 DISCOVERY BASIN 7050 2/27/97 56 16.4 10.4 8.6 DISSERT MOUNTAIN 5600 3/01/97 12.3 8.8 8.9 DISCOVERY BASIN 7050 3/01/97 12.3 8.8 8.8 9.9 DIX HILL 6400 3/02/97 52 15.1 9.5 10.7 DUFUVER CREEK PILLOW 7800 3/02/97 52 15.1 9.5 10.7 DUFUVER CREEK PILLOW 5750 3/01/97 11.5 10.4 10.6 EAST FORK R. S. 5400 2/27/97 37 8.9 6.7 6.0 EL DORADO MINE 7800 2/26/97 72 21.9 17.2 16.7 ELK HORN SPRINGS 7800 2/28/97 45 12.3 11.2 7.8 ELK PRAK 8000 2/28/97 45 12.3 11.2 7.8 ELK PRAK 8000 2/28/97 60 20.2 14.0 13.4 EMERY CREEK PILLOW 4350 3/01/97 21.2 9.8 14.0 13.4 EMERY CREEK PILLOW 4350 3/01/97 21.2 9.8 14.0 13.4 EMERY CREEK PILLOW 9100 3/01/97 49.2 40.3 30.3 FIVE-BUIL 5700 2/28/97 44 12.3 7.6 7.8 FISHER CREEK PILLOW 6300 3/01/97 49.2 40.3 30.3 FIVE-BUIL 5700 2/28/97 31 8.3 3.9 5.8 FICATION PINT PILLOW 6300 3/01/97 53.9 49.1 40.9 FICATION FINT PILLOW 6300 3/01/97 53.9 49.1 40.9 FICATION FINT PILLOW 6300 3/01/97 53.9 49.1 40.9 FICATION FINT PILLOW 6480 3/01/97 53.9 49.1 40.9 PICATION FINT PILLOW 6480 3/01/97 53.9 49.1 40.	SNOW COURSE			DEPTH	CONTENT	YEAR	1961-90	
DISCOVERY BASIN 7050 2/27/97 56 16.4 10.4 8.6	 DAIN CREEK BILLOW	5780	3 /01 /07		16 0	0 0	10.0	-
DISCOVERY BASIN 7050 2/27/97 56 16.4 10.4 8.6	DARKHODSE IK BILLON	J 8700	3/01/97		38 /	33 3	27.0	
DISCOVERY BASIN 7050 2/27/97 56 16.4 10.4 8.6	DAVIS CREEK	5/100	2/28/97	01	30.4	24. 4	21.7	
DISCOVERY BASIN 7050 2/27/97 56 16.4 10.4 8.6	DEADMAN CR PILLOW	6450	3/01/97		13 7	8 3	8 6	
DISCOVERY BASIN 7050 2/27/97 56 16.4 10.4 8.6	DESERT MOUNTAIN	5600	3/01/97		20 3F	11 0	13.2	
DUPUYER CREEK PILLOW 5750 3/01/97 11.5 10.4 10.6 EAST FORK R.S. 5.400 2/27/97 37 8.9 6.7 6.0 EL DORADO MINE 7800 2/28/97 72 21.9 17.2 16.7 ELK HORN SPRINGS 7800 2/28/97 45 12.3 11.2 7.8 ELK PEAK 8000 2/28/97 60 20.2 14.0 13.4 EMERY CREEK PILLOW 4550 3/01/97 21.2 9.8 14.0 FATTY CREEK 5500 2/28/97 113 37.2 18.6 20.2 FISH CREEK 8000 2/28/97 44 12.3 7.6 7.8 FISHER CREEK PILLOW 9100 3/01/97 49.2 40.3 30.3 FIVE-BULL 5700 2/24/97 31 8.3 3.9 5.8 FLATTOP MTN PILLOW 6300 3/01/97 53.9 49.1 40.9 FLEECER RIDGE 7500 2/26/97 48 15.9 13.4 9.0 FOOLHEN 8280 2/28/97 66 20.3 17.2 13.8 FOURTH OF JULY 3450 3/01/97 15.0E 7.7 8.6 FREIGHT CREEK 6000 2/28/97 38 10.2 6.4 7.1 FOURTH OF JULY 3450 3/01/97 15.0E 7.7 8.6 FREIGHT CREEK 6000 2/24/97 52 14.9 13.9 12.9 FRONNER MDWS PILLOW 6480 3/01/97 16.1 10.0 9.2 GARVER CREEK 4250 3/01/97 16.1 10.0 9.2 GARVER CREEK 450 3/01/97 16.1 10.0 9.2 GARVER CREEK 450 3/01/97 16.1 10.0 9.2 GARVER CREEK 11LOW 4500 3/01/97 16.1 10.0 9.2 GARVER CREEK 11LOW 4300 3/01/97 16.1 10.0 9.2 GRASHOPPER 7000 2/26/97 33 9.2 4.4 4.9 GRAYER CREEK 11LOW 4300 3/01/97 20.1 14.5 15.2 GRIFFIN CR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HANNINS LAKE PILLOW 6300 3/01/97 20.1 14.5 15.2 GRIFFIN CR DIVIDE 5150 2/26/97 52 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 105 34.9 29.2 24.2 HEBGEN DAM 6550 3/01/97 56.6 47.3 39.7 HOLDBROOK 4530 3/01/97 51.6E 46.4 39.2 HELL ROARING DIVIDE 5770 2/27/97 105 34.9 29.2 26.4 HEBGEN DAM 6550 2/28/97 70 23.6 20.0 15.6 INTERGAARD 66.50 2/27/97 33 8.0 4.6 6.4 KISHENEHN 3890 2/27/97 33 8.0 4.6 6.4 KISHENEHN 3890 2/27/97 31 11.6 5.6 6.8 JOHNSON PARK 66.50 2/27/97 33 8.0 4.6 6.4 KISHENEHN 3890 2/27/97 45 11.6 2 9.9 10.8 HELL ROARING DIVIDE 5770 3/01/97 51.6 6.4 KISHENEHN 3890 2/27/97 43 11.6 6.8 9.4 KISHENEHN 3890 2/25/97 45 12.6 8.0 7.5 KISHENEHN 3890 2/27/97 43 11.6 6.8 9.4 KISHENEHN 6650 3/01/97 51.1	DISCOVERY BASIN	7050	2/27/97	56	16 /	10.7	8 6	
DUPUYER CREEK PILLOW 5750 3/01/97 11.5 10.4 10.6 EAST FORK R.S. 5.400 2/27/97 37 8.9 6.7 6.0 EL DORADO MINE 7800 2/28/97 72 21.9 17.2 16.7 ELK HORN SPRINGS 7800 2/28/97 45 12.3 11.2 7.8 ELK PEAK 8000 2/28/97 60 20.2 14.0 13.4 EMERY CREEK PILLOW 4550 3/01/97 21.2 9.8 14.0 FATTY CREEK 5500 2/28/97 113 37.2 18.6 20.2 FISH CREEK 8000 2/28/97 44 12.3 7.6 7.8 FISHER CREEK PILLOW 9100 3/01/97 49.2 40.3 30.3 FIVE-BULL 5700 2/24/97 31 8.3 3.9 5.8 FLATTOP MTN PILLOW 6300 3/01/97 53.9 49.1 40.9 FLEECER RIDGE 7500 2/26/97 48 15.9 13.4 9.0 FOOLHEN 8280 2/28/97 66 20.3 17.2 13.8 FOURTH OF JULY 3450 3/01/97 15.0E 7.7 8.6 FREIGHT CREEK 6000 2/28/97 38 10.2 6.4 7.1 FOURTH OF JULY 3450 3/01/97 15.0E 7.7 8.6 FREIGHT CREEK 6000 2/24/97 52 14.9 13.9 12.9 FRONNER MDWS PILLOW 6480 3/01/97 16.1 10.0 9.2 GARVER CREEK 4250 3/01/97 16.1 10.0 9.2 GARVER CREEK 450 3/01/97 16.1 10.0 9.2 GARVER CREEK 450 3/01/97 16.1 10.0 9.2 GARVER CREEK 11LOW 4500 3/01/97 16.1 10.0 9.2 GARVER CREEK 11LOW 4300 3/01/97 16.1 10.0 9.2 GRASHOPPER 7000 2/26/97 33 9.2 4.4 4.9 GRAYER CREEK 11LOW 4300 3/01/97 20.1 14.5 15.2 GRIFFIN CR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HANNINS LAKE PILLOW 6300 3/01/97 20.1 14.5 15.2 GRIFFIN CR DIVIDE 5150 2/26/97 52 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 105 34.9 29.2 24.2 HEBGEN DAM 6550 3/01/97 56.6 47.3 39.7 HOLDBROOK 4530 3/01/97 51.6E 46.4 39.2 HELL ROARING DIVIDE 5770 2/27/97 105 34.9 29.2 26.4 HEBGEN DAM 6550 2/28/97 70 23.6 20.0 15.6 INTERGAARD 66.50 2/27/97 33 8.0 4.6 6.4 KISHENEHN 3890 2/27/97 33 8.0 4.6 6.4 KISHENEHN 3890 2/27/97 31 11.6 5.6 6.8 JOHNSON PARK 66.50 2/27/97 33 8.0 4.6 6.4 KISHENEHN 3890 2/27/97 45 11.6 2 9.9 10.8 HELL ROARING DIVIDE 5770 3/01/97 51.6 6.4 KISHENEHN 3890 2/27/97 43 11.6 6.8 9.4 KISHENEHN 3890 2/25/97 45 12.6 8.0 7.5 KISHENEHN 3890 2/27/97 43 11.6 6.8 9.4 KISHENEHN 6650 3/01/97 51.1	DIVIDE PILLOW	7800	3/01/97		12 3	8 8	8 9	
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ELK HORN SPRINGS 7800 2/28/97 45 12.3 11.2 7.8 ELK PEAK 8000 2/26/97 60 20.2 14.0 13.4 EMERY CREEK PILLOW 4550 3/01/97 21.2 9.8 14.0 0	EL DORADO MINE	7800	2/26/97	72	21.9	17 2	16.7	
FLEECER RIDGE 7500 2/26/97 48 15.9 13.4 9.0 FOOLHEN 8280 2/28/97 66 20.3 17.2 13.8 FOUR MILE 6900 2/25/97 38 10.2 6.4 7.1 FOURTH OF JULY 3450 3/01/97 15.0E 7.7 8.6 FREIGHT GREEK 6000 2/24/97 52 14.9 13.9 12.9 FROINER MDWS PILLOW 6480 3/01/97 16.1 10.0 9.2 GARVER GREEK PILLOW 4250 3/01/97 16.1 10.0 9.2 GARVER GREEK 4250 2/28/97 59 17.0 10.6 9.9 GOAT MOUNTAIN 7000 2/28/97 48 13.0 9.4 9.2 GARVER GREEK 4250 2/28/97 39 17.0 10.6 9.9 GOAT MOUNTAIN 7000 2/28/97 39 12.0 10.6 9.9 GARVE GREEK 7000 3/01/97 20.1 14.5 15.2 GRIFFIN GR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND GREEK PILLOW 4300 3/01/97 20.1 14.5 15.2 GRIFFIN GR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND GREEK PILLOW 6450 3/01/97 17.7 10.9 10.9 HAWKINS LAKE PILLOW 6450 3/01/97 28.4 25.0 24.2 HEBGEN DAM 6550 2/26/97 59 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 95 34.1 27.8 21.7 HOLBROOK 4530 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 NA HODDOO BASIN FILLOW 6750 3/01/97 51.6E 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 66.5 2/27/97 45 11.6 5.6 6.8 JOHNSON PARK 65.5 2/27/97 33 8.0 4.6 6.4 XISHENEN 3890 2/25/97 45 12.6 8.0 7.5 KINANIS CAMP 3720 2/28/97 7 1.3 .3 1.8 KRAFT CREEK PILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE VIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 15.7F 8.8 3 8.9 7.4 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 15.7F 8.8 3 8.9 7.4 LAKEVIEW RDG. FILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.7 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.7 LEMHI RIDGE PILLOW 6030 3/01/97 13.7 7.9 10.7 LICK CREEK FILLOW 6030 3/01/97 13.7 7	ELK HORN SPRINGS	7800	2/28/97	45	12.3	11.2	7.8	
FLEECER RIDGE 7500 2/26/97 48 15.9 13.4 9.0 FOOLHEN 8280 2/28/97 66 20.3 17.2 13.8 FOUR MILE 6900 2/25/97 38 10.2 6.4 7.1 FOURTH OF JULY 3450 3/01/97 15.0E 7.7 8.6 FREIGHT GREEK 6000 2/24/97 52 14.9 13.9 12.9 FROINER MDWS PILLOW 6480 3/01/97 16.1 10.0 9.2 GARVER GREEK PILLOW 4250 3/01/97 16.1 10.0 9.2 GARVER GREEK 4250 2/28/97 59 17.0 10.6 9.9 GOAT MOUNTAIN 7000 2/28/97 48 13.0 9.4 9.2 GARVER GREEK 4250 2/28/97 39 17.0 10.6 9.9 GOAT MOUNTAIN 7000 2/28/97 39 12.0 10.6 9.9 GARVE GREEK 7000 3/01/97 20.1 14.5 15.2 GRIFFIN GR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND GREEK PILLOW 4300 3/01/97 20.1 14.5 15.2 GRIFFIN GR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND GREEK PILLOW 6450 3/01/97 17.7 10.9 10.9 HAWKINS LAKE PILLOW 6450 3/01/97 28.4 25.0 24.2 HEBGEN DAM 6550 2/26/97 59 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 95 34.1 27.8 21.7 HOLBROOK 4530 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 NA HODDOO BASIN FILLOW 6750 3/01/97 51.6E 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 66.5 2/27/97 45 11.6 5.6 6.8 JOHNSON PARK 65.5 2/27/97 33 8.0 4.6 6.4 XISHENEN 3890 2/25/97 45 12.6 8.0 7.5 KINANIS CAMP 3720 2/28/97 7 1.3 .3 1.8 KRAFT CREEK PILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE VIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 15.7F 8.8 3 8.9 7.4 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 15.7F 8.8 3 8.9 7.4 LAKEVIEW RDG. FILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.7 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.7 LEMHI RIDGE PILLOW 6030 3/01/97 13.7 7.9 10.7 LICK CREEK FILLOW 6030 3/01/97 13.7 7	ELK PEAK	8000	2/26/97	60	20.2	14.0	13.4	
FLEECER RIDGE 7500 2/26/97 48 15.9 13.4 9.0 FOOLHEN 8280 2/28/97 66 20.3 17.2 13.8 FOUR MILE 6900 2/25/97 38 10.2 6.4 7.1 FOURTH OF JULY 3450 3/01/97 15.0E 7.7 8.6 FREIGHT GREEK 6000 2/24/97 52 14.9 13.9 12.9 FROINER MDWS PILLOW 6480 3/01/97 16.1 10.0 9.2 GARVER GREEK PILLOW 4250 3/01/97 16.1 10.0 9.2 GARVER GREEK 4250 2/28/97 59 17.0 10.6 9.9 GOAT MOUNTAIN 7000 2/28/97 48 13.0 9.4 9.2 GARVER GREEK 4250 2/28/97 39 17.0 10.6 9.9 GOAT MOUNTAIN 7000 2/28/97 39 12.0 10.6 9.9 GARVE GREEK 7000 3/01/97 20.1 14.5 15.2 GRIFFIN GR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND GREEK PILLOW 4300 3/01/97 20.1 14.5 15.2 GRIFFIN GR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND GREEK PILLOW 6450 3/01/97 17.7 10.9 10.9 HAWKINS LAKE PILLOW 6450 3/01/97 28.4 25.0 24.2 HEBGEN DAM 6550 2/26/97 59 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 95 34.1 27.8 21.7 HOLBROOK 4530 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 NA HODDOO BASIN FILLOW 6750 3/01/97 51.6E 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 66.5 2/27/97 45 11.6 5.6 6.8 JOHNSON PARK 65.5 2/27/97 33 8.0 4.6 6.4 XISHENEN 3890 2/25/97 45 12.6 8.0 7.5 KINANIS CAMP 3720 2/28/97 7 1.3 .3 1.8 KRAFT CREEK PILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE VIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 15.7F 8.8 3 8.9 7.4 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 15.7F 8.8 3 8.9 7.4 LAKEVIEW RDG. FILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.7 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.7 LEMHI RIDGE PILLOW 6030 3/01/97 13.7 7.9 10.7 LICK CREEK FILLOW 6030 3/01/97 13.7 7	EMERY CREEK PILLOW	4350	3/01/97		21.2	9.8	14.0	
FLEECER RIDGE 7500 2/26/97 48 15.9 13.4 9.0 FOOLHEN 8280 2/28/97 66 20.3 17.2 13.8 FOUR MILE 6900 2/25/97 38 10.2 6.4 7.1 FOURTH OF JULY 3450 3/01/97 15.0E 7.7 8.6 FREIGHT GREEK 6000 2/24/97 52 14.9 13.9 12.9 FROINER MDWS PILLOW 6480 3/01/97 16.1 10.0 9.2 GARVER GREEK PILLOW 4250 3/01/97 16.1 10.0 9.2 GARVER GREEK 4250 2/28/97 59 17.0 10.6 9.9 GOAT MOUNTAIN 7000 2/28/97 48 13.0 9.4 9.2 GARVER GREEK 4250 2/28/97 39 17.0 10.6 9.9 GOAT MOUNTAIN 7000 2/28/97 39 12.0 10.6 9.9 GARVE GREEK 7000 3/01/97 20.1 14.5 15.2 GRIFFIN GR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND GREEK PILLOW 4300 3/01/97 20.1 14.5 15.2 GRIFFIN GR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND GREEK PILLOW 6450 3/01/97 17.7 10.9 10.9 HAWKINS LAKE PILLOW 6450 3/01/97 28.4 25.0 24.2 HEBGEN DAM 6550 2/26/97 59 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 95 34.1 27.8 21.7 HOLBROOK 4530 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 NA HODDOO BASIN FILLOW 6750 3/01/97 51.6E 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 66.5 2/27/97 45 11.6 5.6 6.8 JOHNSON PARK 65.5 2/27/97 33 8.0 4.6 6.4 XISHENEN 3890 2/25/97 45 12.6 8.0 7.5 KINANIS CAMP 3720 2/28/97 7 1.3 .3 1.8 KRAFT CREEK PILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE VIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 15.7F 8.8 3 8.9 7.4 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 15.7F 8.8 3 8.9 7.4 LAKEVIEW RDG. FILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.7 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.7 LEMHI RIDGE PILLOW 6030 3/01/97 13.7 7.9 10.7 LICK CREEK FILLOW 6030 3/01/97 13.7 7	FATTY CREEK	5500	2/28/97	113	37.2	18.6	20.2	
FLEECER RIDGE 7500 2/26/97 48 15.9 13.4 9.0 FOOLHEN 8280 2/28/97 66 20.3 17.2 13.8 FOUR MILE 6900 2/25/97 38 10.2 6.4 7.1 FOURTH OF JULY 3450 3/01/97 15.0E 7.7 8.6 FREIGHT GREEK 6000 2/24/97 52 14.9 13.9 12.9 FROINER MDWS PILLOW 6480 3/01/97 16.1 10.0 9.2 GARVER GREEK PILLOW 4250 3/01/97 16.1 10.0 9.2 GARVER GREEK 4250 2/28/97 59 17.0 10.6 9.9 GOAT MOUNTAIN 7000 2/28/97 48 13.0 9.4 9.2 GARVER GREEK 4250 2/28/97 39 17.0 10.6 9.9 GOAT MOUNTAIN 7000 2/28/97 39 12.0 10.6 9.9 GARVE GREEK 7000 3/01/97 20.1 14.5 15.2 GRIFFIN GR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND GREEK PILLOW 4300 3/01/97 20.1 14.5 15.2 GRIFFIN GR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND GREEK PILLOW 6450 3/01/97 17.7 10.9 10.9 HAWKINS LAKE PILLOW 6450 3/01/97 28.4 25.0 24.2 HEBGEN DAM 6550 2/26/97 59 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 95 34.1 27.8 21.7 HOLBROOK 4530 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 NA HODDOO BASIN FILLOW 6750 3/01/97 51.6E 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 66.5 2/27/97 45 11.6 5.6 6.8 JOHNSON PARK 65.5 2/27/97 33 8.0 4.6 6.4 XISHENEN 3890 2/25/97 45 12.6 8.0 7.5 KINANIS CAMP 3720 2/28/97 7 1.3 .3 1.8 KRAFT CREEK PILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE VIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 15.7F 8.8 3 8.9 7.4 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 15.7F 8.8 3 8.9 7.4 LAKEVIEW RDG. FILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.7 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.7 LEMHI RIDGE PILLOW 6030 3/01/97 13.7 7.9 10.7 LICK CREEK FILLOW 6030 3/01/97 13.7 7	FISH CREEK	8000	2/28/97	44	12.3	7.6	7.8	
FLEECER RIDGE 7500 2/26/97 48 15.9 13.4 9.0 FOOLHEN 8280 2/28/97 66 20.3 17.2 13.8 FOUR MILE 6900 2/25/97 38 10.2 6.4 7.1 FOURTH OF JULY 3450 3/01/97 15.0E 7.7 8.6 FREIGHT GREEK 6000 2/24/97 52 14.9 13.9 12.9 FROINER MDWS PILLOW 6480 3/01/97 16.1 10.0 9.2 GARVER GREEK PILLOW 4250 3/01/97 16.1 10.0 9.2 GARVER GREEK 4250 2/28/97 59 17.0 10.6 9.9 GOAT MOUNTAIN 7000 2/28/97 48 13.0 9.4 9.2 GARVER GREEK 4250 2/28/97 39 17.0 10.6 9.9 GOAT MOUNTAIN 7000 2/28/97 39 12.0 10.6 9.9 GARVE GREEK 7000 3/01/97 20.1 14.5 15.2 GRIFFIN GR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND GREEK PILLOW 4300 3/01/97 20.1 14.5 15.2 GRIFFIN GR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND GREEK PILLOW 6450 3/01/97 17.7 10.9 10.9 HAWKINS LAKE PILLOW 6450 3/01/97 28.4 25.0 24.2 HEBGEN DAM 6550 2/26/97 59 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 95 34.1 27.8 21.7 HOLBROOK 4530 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 NA HODDOO BASIN FILLOW 6750 3/01/97 51.6E 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 66.5 2/27/97 45 11.6 5.6 6.8 JOHNSON PARK 65.5 2/27/97 33 8.0 4.6 6.4 XISHENEN 3890 2/25/97 45 12.6 8.0 7.5 KINANIS CAMP 3720 2/28/97 7 1.3 .3 1.8 KRAFT CREEK PILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE VIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 15.7F 8.8 3 8.9 7.4 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 15.7F 8.8 3 8.9 7.4 LAKEVIEW RDG. FILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.7 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.7 LEMHI RIDGE PILLOW 6030 3/01/97 13.7 7.9 10.7 LICK CREEK FILLOW 6030 3/01/97 13.7 7	FISHER CREEK PILLOW	9100	3/01/97		49.2	40.3	30.3	
FLEECER RIDGE 7500 2/26/97 48 15.9 13.4 9.0 FOOLHEN 8280 2/28/97 66 20.3 17.2 13.8 FOUR MILE 6900 2/25/97 38 10.2 6.4 7.1 FOURTH OF JULY 3450 3/01/97 15.0E 7.7 8.6 FREIGHT GREEK 6000 2/24/97 52 14.9 13.9 12.9 FROINER MDWS PILLOW 6480 3/01/97 16.1 10.0 9.2 GARVER GREEK PILLOW 4250 3/01/97 16.1 10.0 9.2 GARVER GREEK 4250 2/28/97 59 17.0 10.6 9.9 GOAT MOUNTAIN 7000 2/28/97 48 13.0 9.4 9.2 GARVER GREEK 4250 2/28/97 39 17.0 10.6 9.9 GOAT MOUNTAIN 7000 2/28/97 39 12.0 10.6 9.9 GARVE GREEK 7000 3/01/97 20.1 14.5 15.2 GRIFFIN GR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND GREEK PILLOW 4300 3/01/97 20.1 14.5 15.2 GRIFFIN GR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND GREEK PILLOW 6450 3/01/97 17.7 10.9 10.9 HAWKINS LAKE PILLOW 6450 3/01/97 28.4 25.0 24.2 HEBGEN DAM 6550 2/26/97 59 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 95 34.1 27.8 21.7 HOLBROOK 4530 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 HODDOO BASIN FILLOW 6650 3/01/97 15.7E 8.3 8.8 NA HODDOO BASIN FILLOW 6750 3/01/97 51.6E 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 66.5 2/27/97 45 11.6 5.6 6.8 JOHNSON PARK 65.5 2/27/97 33 8.0 4.6 6.4 XISHENEN 3890 2/25/97 45 12.6 8.0 7.5 KINANIS CAMP 3720 2/28/97 7 1.3 .3 1.8 KRAFT CREEK PILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE VIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 15.7F 8.8 3 8.9 7.4 LAKEVIEW RDG. FILLOW 6030 3/01/97 25.1 10.6 14.5 LAKEVIEW RDG. FILLOW 6030 3/01/97 15.7F 8.8 3 8.9 7.4 LAKEVIEW RDG. FILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.7 LEMHI RIDGE PILLOW 6030 3/01/97 12.7 9.3 10.7 LEMHI RIDGE PILLOW 6030 3/01/97 13.7 7.9 10.7 LICK CREEK FILLOW 6030 3/01/97 13.7 7	FIVE-BULL	5700	2/24/97	31	8.3	3.9	5.8	
GARVER CREEK 11LLOW 4250 3/01/97 16.1 10.0 9.2 CARVER CREEK 4250 2/28/97 59 17.0 10.6 9.9 COAT MOUNTAIN 7000 2/28/97 48 13.0 9.4 9.2 CRASSHOPPER 7000 2/26/97 33 9.2 4.4 4.9 GRAVE CRK FILLOW 4300 3/01/97 20.1 14.5 15.2 GRIFFIN CR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND CREEK PILLOW 5030 3/01/97 17.7 10.9 10.9 HAWRINS LAKE FILLOW 6450 3/01/97 28.4 25.0 24.2 HEBGED DAM 6550 2/26/97 52 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 105 34.9 29.2 26.4 HERRIG JUNCTION 4850 2/27/97 95 34.1 27.8 21.7 HOLDROOK 4530 3/01/97 15.7E 8.3 8.8 HOODOO GREEK 5900 3/01/97 56.6 47.3 39.7 HOODOO CREEK 5900 3/01/97 56.6 47.3 39.7 HOODOO CREEK 5900 3/01/97 56.6 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 6650 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 45 12.6 8.0 7.5 KIWANIS CAMP 3720 2/28/97 7 1.3 .3 1.8 KRAFT CREEK FILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE CREEK 6100 3/04/97 41 9.9 8.8 7.4 LAKEVIEW RDG. FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.7 LEMIL RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CREEK FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CREEK FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CRE						49.1	40.9	
GARVER CREEK 11LLOW 4250 3/01/97 16.1 10.0 9.2 CARVER CREEK 4250 2/28/97 59 17.0 10.6 9.9 COAT MOUNTAIN 7000 2/28/97 48 13.0 9.4 9.2 CRASSHOPPER 7000 2/26/97 33 9.2 4.4 4.9 GRAVE CRK FILLOW 4300 3/01/97 20.1 14.5 15.2 GRIFFIN CR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND CREEK PILLOW 5030 3/01/97 17.7 10.9 10.9 HAWRINS LAKE FILLOW 6450 3/01/97 28.4 25.0 24.2 HEBGED DAM 6550 2/26/97 52 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 105 34.9 29.2 26.4 HERRIG JUNCTION 4850 2/27/97 95 34.1 27.8 21.7 HOLDROOK 4530 3/01/97 15.7E 8.3 8.8 HOODOO GREEK 5900 3/01/97 56.6 47.3 39.7 HOODOO CREEK 5900 3/01/97 56.6 47.3 39.7 HOODOO CREEK 5900 3/01/97 56.6 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 6650 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 45 12.6 8.0 7.5 KIWANIS CAMP 3720 2/28/97 7 1.3 .3 1.8 KRAFT CREEK FILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE CREEK 6100 3/04/97 41 9.9 8.8 7.4 LAKEVIEW RDG. FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.7 LEMIL RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CREEK FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CREEK FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CRE	FLEECER RIDGE	7500	2/26/97	48	15.9	13.4	9.0	
GARVER CREEK 11LLOW 4250 3/01/97 16.1 10.0 9.2 CARVER CREEK 4250 2/28/97 59 17.0 10.6 9.9 COAT MOUNTAIN 7000 2/28/97 48 13.0 9.4 9.2 CRASSHOPPER 7000 2/26/97 33 9.2 4.4 4.9 GRAVE CRK FILLOW 4300 3/01/97 20.1 14.5 15.2 GRIFFIN CR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND CREEK PILLOW 5030 3/01/97 17.7 10.9 10.9 HAWRINS LAKE FILLOW 6450 3/01/97 28.4 25.0 24.2 HEBGED DAM 6550 2/26/97 52 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 105 34.9 29.2 26.4 HERRIG JUNCTION 4850 2/27/97 95 34.1 27.8 21.7 HOLDROOK 4530 3/01/97 15.7E 8.3 8.8 HOODOO GREEK 5900 3/01/97 56.6 47.3 39.7 HOODOO CREEK 5900 3/01/97 56.6 47.3 39.7 HOODOO CREEK 5900 3/01/97 56.6 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 6650 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 45 12.6 8.0 7.5 KIWANIS CAMP 3720 2/28/97 7 1.3 .3 1.8 KRAFT CREEK FILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE CREEK 6100 3/04/97 41 9.9 8.8 7.4 LAKEVIEW RDG. FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.7 LEMIL RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CREEK FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CREEK FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CRE	FOOLHEN	8280	2/28/97	66	20.3	17.2	13.8	
GARVER CREEK 11LLOW 4250 3/01/97 16.1 10.0 9.2 CARVER CREEK 4250 2/28/97 59 17.0 10.6 9.9 COAT MOUNTAIN 7000 2/28/97 48 13.0 9.4 9.2 CRASSHOPPER 7000 2/26/97 33 9.2 4.4 4.9 GRAVE CRK FILLOW 4300 3/01/97 20.1 14.5 15.2 GRIFFIN CR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND CREEK PILLOW 5030 3/01/97 17.7 10.9 10.9 HAWRINS LAKE FILLOW 6450 3/01/97 28.4 25.0 24.2 HEBGED DAM 6550 2/26/97 52 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 105 34.9 29.2 26.4 HERRIG JUNCTION 4850 2/27/97 95 34.1 27.8 21.7 HOLDROOK 4530 3/01/97 15.7E 8.3 8.8 HOODOO GREEK 5900 3/01/97 56.6 47.3 39.7 HOODOO CREEK 5900 3/01/97 56.6 47.3 39.7 HOODOO CREEK 5900 3/01/97 56.6 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 6650 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 45 12.6 8.0 7.5 KIWANIS CAMP 3720 2/28/97 7 1.3 .3 1.8 KRAFT CREEK FILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE CREEK 6100 3/04/97 41 9.9 8.8 7.4 LAKEVIEW RDG. FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.7 LEMIL RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CREEK FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CREEK FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CRE	FOUR MILE	6900	2/25/97	38	10.2	6.4	7.1	
GARVER CREEK 11LLOW 4250 3/01/97 16.1 10.0 9.2 CARVER CREEK 4250 2/28/97 59 17.0 10.6 9.9 COAT MOUNTAIN 7000 2/28/97 48 13.0 9.4 9.2 CRASSHOPPER 7000 2/26/97 33 9.2 4.4 4.9 GRAVE CRK FILLOW 4300 3/01/97 20.1 14.5 15.2 GRIFFIN CR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND CREEK PILLOW 5030 3/01/97 17.7 10.9 10.9 HAWRINS LAKE FILLOW 6450 3/01/97 28.4 25.0 24.2 HEBGED DAM 6550 2/26/97 52 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 105 34.9 29.2 26.4 HERRIG JUNCTION 4850 2/27/97 95 34.1 27.8 21.7 HOLDROOK 4530 3/01/97 15.7E 8.3 8.8 HOODOO GREEK 5900 3/01/97 56.6 47.3 39.7 HOODOO CREEK 5900 3/01/97 56.6 47.3 39.7 HOODOO CREEK 5900 3/01/97 56.6 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 6650 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 45 12.6 8.0 7.5 KIWANIS CAMP 3720 2/28/97 7 1.3 .3 1.8 KRAFT CREEK FILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE CREEK 6100 3/04/97 41 9.9 8.8 7.4 LAKEVIEW RDG. FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.7 LEMIL RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CREEK FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CREEK FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CRE	FOURTH OF JULY	3450	3/01/97		15.0E	7.7	8.6	
GARVER CREEK 11LLOW 4250 3/01/97 16.1 10.0 9.2 CARVER CREEK 4250 2/28/97 59 17.0 10.6 9.9 COAT MOUNTAIN 7000 2/28/97 48 13.0 9.4 9.2 CRASSHOPPER 7000 2/26/97 33 9.2 4.4 4.9 GRAVE CRK FILLOW 4300 3/01/97 20.1 14.5 15.2 GRIFFIN CR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND CREEK PILLOW 5030 3/01/97 17.7 10.9 10.9 HAWRINS LAKE FILLOW 6450 3/01/97 28.4 25.0 24.2 HEBGED DAM 6550 2/26/97 52 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 105 34.9 29.2 26.4 HERRIG JUNCTION 4850 2/27/97 95 34.1 27.8 21.7 HOLDROOK 4530 3/01/97 15.7E 8.3 8.8 HOODOO GREEK 5900 3/01/97 56.6 47.3 39.7 HOODOO CREEK 5900 3/01/97 56.6 47.3 39.7 HOODOO CREEK 5900 3/01/97 56.6 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 6650 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 45 12.6 8.0 7.5 KIWANIS CAMP 3720 2/28/97 7 1.3 .3 1.8 KRAFT CREEK FILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE CREEK 6100 3/04/97 41 9.9 8.8 7.4 LAKEVIEW RDG. FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.7 LEMIL RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CREEK FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CREEK FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CRE	FREIGHT CREEK	6000	2/24/97	52	14.9	13.9	12.9	
GARVER CREEK 11LLOW 4250 3/01/97 16.1 10.0 9.2 CARVER CREEK 4250 2/28/97 59 17.0 10.6 9.9 COAT MOUNTAIN 7000 2/28/97 48 13.0 9.4 9.2 CRASSHOPPER 7000 2/26/97 33 9.2 4.4 4.9 GRAVE CRK FILLOW 4300 3/01/97 20.1 14.5 15.2 GRIFFIN CR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND CREEK PILLOW 5030 3/01/97 17.7 10.9 10.9 HAWRINS LAKE FILLOW 6450 3/01/97 28.4 25.0 24.2 HEBGED DAM 6550 2/26/97 52 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 105 34.9 29.2 26.4 HERRIG JUNCTION 4850 2/27/97 95 34.1 27.8 21.7 HOLDROOK 4530 3/01/97 15.7E 8.3 8.8 HOODOO GREEK 5900 3/01/97 56.6 47.3 39.7 HOODOO CREEK 5900 3/01/97 56.6 47.3 39.7 HOODOO CREEK 5900 3/01/97 56.6 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 6650 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 45 12.6 8.0 7.5 KIWANIS CAMP 3720 2/28/97 7 1.3 .3 1.8 KRAFT CREEK FILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE CREEK 6100 3/04/97 41 9.9 8.8 7.4 LAKEVIEW RDG. FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.3 LEMHI RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.7 LEMIL RIGGE FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CREEK FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CREEK FILLOW 8680 3/01/97 12.7 9.3 10.7 LICK CRE	FROHNER MDWS PILLOW	6480	3/01/97		8.7	7.3	7.2	
GRIFFILDW 4300 3/01/97 20.1 14.5 15.2 GRIFFIN CR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND CREEK PILLOW 6450 3/01/97 17.7 10.9 10.9 HAWKINS LAKE PILLOW 6450 3/01/97 28.4 25.0 24.2 HEBGEN DAM 6550 2/26/97 52 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 105 34.9 29.2 26.4 HERRIG JUNCTION 4850 2/27/97 95 34.1 27.8 21.7 HOLDROOK 4530 3/01/97 15.7E 8.3 8.8 HOODDO GREEK 5900 3/01/97 56.6 47.3 39.7 HOODDO GREEK 5900 3/01/97 51.6E 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 6450 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 43 11.6 5.6 6.8 INTERGRAED 6450 2/28/97 70 23.6 20.0 15.6 INTERGRAED 65.0 7.5 INTERGRAED 65.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9	GARVER CREEK PILLOW	4250	3/01/97		16.1	10.0	9.2	
GRIFFILDW 4300 3/01/97 20.1 14.5 15.2 GRIFFIN CR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND CREEK PILLOW 6450 3/01/97 17.7 10.9 10.9 HAWKINS LAKE PILLOW 6450 3/01/97 28.4 25.0 24.2 HEBGEN DAM 6550 2/26/97 52 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 105 34.9 29.2 26.4 HERRIG JUNCTION 4850 2/27/97 95 34.1 27.8 21.7 HOLDROOK 4530 3/01/97 15.7E 8.3 8.8 HOODDO GREEK 5900 3/01/97 56.6 47.3 39.7 HOODDO GREEK 5900 3/01/97 51.6E 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 6450 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 43 11.6 5.6 6.8 INTERGRAED 6450 2/28/97 70 23.6 20.0 15.6 INTERGRAED 65.0 7.5 INTERGRAED 65.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9	GARVER CREEK	4250	2/28/97	59	17.0	10.6	9.9	
GRIFFILDW 4300 3/01/97 20.1 14.5 15.2 GRIFFIN CR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND CREEK PILLOW 6450 3/01/97 17.7 10.9 10.9 HAWKINS LAKE PILLOW 6450 3/01/97 28.4 25.0 24.2 HEBGEN DAM 6550 2/26/97 52 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 105 34.9 29.2 26.4 HERRIG JUNCTION 4850 2/27/97 95 34.1 27.8 21.7 HOLDROOK 4530 3/01/97 15.7E 8.3 8.8 HOODDO GREEK 5900 3/01/97 56.6 47.3 39.7 HOODDO GREEK 5900 3/01/97 51.6E 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 6450 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 43 11.6 5.6 6.8 INTERGRAED 6450 2/28/97 70 23.6 20.0 15.6 INTERGRAED 65.0 7.5 INTERGRAED 65.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9	GOAT MOUNTAIN	7000	2/28/97	48	13.0	9.4	9.2	
GRIFFILDW 4300 3/01/97 20.1 14.5 15.2 GRIFFIN CR DIVIDE 5150 2/26/97 49 15.0 8.9 10.0 HAND CREEK PILLOW 6450 3/01/97 17.7 10.9 10.9 HAWKINS LAKE PILLOW 6450 3/01/97 28.4 25.0 24.2 HEBGEN DAM 6550 2/26/97 52 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 105 34.9 29.2 26.4 HERRIG JUNCTION 4850 2/27/97 95 34.1 27.8 21.7 HOLDROOK 4530 3/01/97 15.7E 8.3 8.8 HOODDO GREEK 5900 3/01/97 56.6 47.3 39.7 HOODDO GREEK 5900 3/01/97 51.6E 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 6450 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 43 11.6 5.6 6.8 INTERGRAED 6450 2/28/97 70 23.6 20.0 15.6 INTERGRAED 65.0 7.5 INTERGRAED 65.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9	GRASSHOPPER	7000	2/26/97	33	9.2	4.4	4.9	
HEBGEN DAM 6550 2/26/97 52 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 105 34.9 29.2 26.4 HERLIG JUNCTION 4850 2/27/97 95 34.1 27.8 21.7 HOLBROOK 4530 3/01/97 15.7E 8.3 8.8 HOODDO GREK 5900 3/01/97 56.6 47.3 39.7 HOODDO GREK 5900 3/01/97 56.6 47.3 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 6450 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 43 11.6 5.6 6.4 KISHENEHN 3890 2/25/97 45 12.6 8.0 7.5 KIWANIS CAMP 3720 2/28/97 7 13 3.3 1.8 KRAFT CREEK PILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE CREEK 6100 3/04/97 41 9.9 8.8 7.4 LAKEVIEW CANYON 6930 2/27/97 43 11.4 6.8 9.4 LAKEVIEW RDG. PILLOW 7400 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 8400 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 8600 3/01/97 12.4 10.2 8.9 LICK CREEK PILLOW 6860 3/01/97 13.7 7.9 10.7	GRAVE CRK PILLOW	4300	3/01/9/		20.1	14.5	15.2	
HEBGEN DAM 6550 2/26/97 52 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 105 34.9 29.2 26.4 HERLIG JUNCTION 4850 2/27/97 95 34.1 27.8 21.7 HOLBROOK 4530 3/01/97 15.7E 8.3 8.8 HOODDO GREK 5900 3/01/97 56.6 47.3 39.7 HOODDO GREK 5900 3/01/97 56.6 47.3 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 6450 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 43 11.6 5.6 6.4 KISHENEHN 3890 2/25/97 45 12.6 8.0 7.5 KIWANIS CAMP 3720 2/28/97 7 13 3.3 1.8 KRAFT CREEK PILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE CREEK 6100 3/04/97 41 9.9 8.8 7.4 LAKEVIEW CANYON 6930 2/27/97 43 11.4 6.8 9.4 LAKEVIEW RDG. PILLOW 7400 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 8400 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 8600 3/01/97 12.4 10.2 8.9 LICK CREEK PILLOW 6860 3/01/97 13.7 7.9 10.7	GRIFFIN CR DIVIDE	5150	2/26/97	49	15.0	8.9	10.0	
HEBGEN DAM 6550 2/26/97 52 16.2 9.9 10.8 HELL ROARING DIVIDE 5770 2/27/97 105 34.9 29.2 26.4 HERLIG JUNCTION 4850 2/27/97 95 34.1 27.8 21.7 HOLBROOK 4530 3/01/97 15.7E 8.3 8.8 HOODDO GREK 5900 3/01/97 56.6 47.3 39.7 HOODDO GREK 5900 3/01/97 56.6 47.3 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERGAARD 6450 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 6450 2/27/97 43 11.6 5.6 6.4 KISHENEHN 3890 2/25/97 45 12.6 8.0 7.5 KIWANIS CAMP 3720 2/28/97 7 13 3.3 1.8 KRAFT CREEK PILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE CREEK 6100 3/04/97 41 9.9 8.8 7.4 LAKEVIEW CANYON 6930 2/27/97 43 11.4 6.8 9.4 LAKEVIEW RDG. PILLOW 7400 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 8400 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 8600 3/01/97 12.4 10.2 8.9 LICK CREEK PILLOW 6860 3/01/97 13.7 7.9 10.7	HAND CREEK PILLOW	5030	3/01/97		17.7	10.9	10.9	
HOUDOO CREEK 9900 3/01/97 31.6E 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERCAARD 66.50 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 66.50 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 66.50 2/27/97 33 8.0 4.6 6.4 KISHENEHN 3890 2/25/97 45 12.6 8.0 7.5 KIWANIS CAMP 3720 2/28/97 7 1.3 .3 1.8 KRAFT CREEK PILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE CREEK 6100 3/04/97 41 9.9 8.8 7.4 LAKEVIEW CANYON 6930 2/27/97 43 11.4 6.8 9.4 LAKEVIEW CANYON 6930 2/27/97 43 11.4 6.8 9.4 LAKEVIEW RDC. PILLOW 8100 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 8100 3/01/97 12.4 10.2 8.9 LICK CREEK PILLOW 6860 3/01/97 13.7 7.9 10.7	HAWKINS LAKE PILLOW	6450	3/01/97		28.4	25.0	24.2	
HOUDOO CREEK 9900 3/01/97 31.6E 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERCAARD 66.50 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 66.50 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 66.50 2/27/97 33 8.0 4.6 6.4 KISHENEHN 3890 2/25/97 45 12.6 8.0 7.5 KIWANIS CAMP 3720 2/28/97 7 1.3 .3 1.8 KRAFT CREEK PILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE CREEK 6100 3/04/97 41 9.9 8.8 7.4 LAKEVIEW CANYON 6930 2/27/97 43 11.4 6.8 9.4 LAKEVIEW CANYON 6930 2/27/97 43 11.4 6.8 9.4 LAKEVIEW RDC. PILLOW 8100 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 8100 3/01/97 12.4 10.2 8.9 LICK CREEK PILLOW 6860 3/01/97 13.7 7.9 10.7	HEBGEN DAM	6550	2/26/97	52	16.2	9.9	10.8	
HOUDOO CREEK 9900 3/01/97 31.6E 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERCAARD 66.50 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 66.50 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 66.50 2/27/97 33 8.0 4.6 6.4 KISHENEHN 3890 2/25/97 45 12.6 8.0 7.5 KIWANIS CAMP 3720 2/28/97 7 1.3 .3 1.8 KRAFT CREEK PILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE CREEK 6100 3/04/97 41 9.9 8.8 7.4 LAKEVIEW CANYON 6930 2/27/97 43 11.4 6.8 9.4 LAKEVIEW CANYON 6930 2/27/97 43 11.4 6.8 9.4 LAKEVIEW RDC. PILLOW 8100 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 8100 3/01/97 12.4 10.2 8.9 LICK CREEK PILLOW 6860 3/01/97 13.7 7.9 10.7	HELL ROARING DIVIDE	5770	2/27/97	105	34.9	29.2	26.4	
HOUDOO CREEK 9900 3/01/97 31.6E 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERCAARD 66.50 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 66.50 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 66.50 2/27/97 33 8.0 4.6 6.4 KISHENEHN 3890 2/25/97 45 12.6 8.0 7.5 KIWANIS CAMP 3720 2/28/97 7 1.3 .3 1.8 KRAFT CREEK PILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE CREEK 6100 3/04/97 41 9.9 8.8 7.4 LAKEVIEW CANYON 6930 2/27/97 43 11.4 6.8 9.4 LAKEVIEW CANYON 6930 2/27/97 43 11.4 6.8 9.4 LAKEVIEW RDC. PILLOW 8100 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 8100 3/01/97 12.4 10.2 8.9 LICK CREEK PILLOW 6860 3/01/97 13.7 7.9 10.7	HERRIG JUNCTION	4850	2/27/97	95	34.1	27.8	21.7	
HOUDOO CREEK 9900 3/01/97 31.6E 46.4 39.2 INDEPENDENCE 7850 2/28/97 70 23.6 20.0 15.6 INTERCAARD 66.50 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 66.50 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 66.50 2/27/97 33 8.0 4.6 6.4 KISHENEHN 3890 2/25/97 45 12.6 8.0 7.5 KIWANIS CAMP 3720 2/28/97 7 1.3 .3 1.8 KRAFT CREEK PILLOW 4750 3/01/97 25.1 10.6 14.5 LAKE CREEK 6100 3/04/97 41 9.9 8.8 7.4 LAKEVIEW CANYON 6930 2/27/97 43 11.4 6.8 9.4 LAKEVIEW CANYON 6930 2/27/97 43 11.4 6.8 9.4 LAKEVIEW RDC. PILLOW 8100 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 8100 3/01/97 12.4 10.2 8.9 LICK CREEK PILLOW 6860 3/01/97 13.7 7.9 10.7		4530	3/01/97		15.7E	8.3	8.8	
INDEPENDENCE /850 2/28/97 70 23.6 20.0 15.6 INTERGARAD 64.50 2/27/97 43 11.6 5.6 6.8 JOHNSON PARK 64.50 2/27/97 33 8.0 4.6 6.4 KISHENEHN 3890 2/25/97 45 12.6 8.0 7.5 KIWANIS CAMP 3720 2/28/97 7 1.3 .3 1.8 KRAFT CREEK PILLOW 47.50 3/01/97 25.1 10.6 14.5 LAKE CREEK 6100 3/04/97 41 9.9 8.8 7.4 LAKEVIEW CANYON 6930 2/27/97 43 11.4 6.8 9.4 LAKEVIEW RDG. PILLOW 74.00 3/01/97 12.7 9.3 10.3 LEMHI RIDGE PILLOW 8100 3/01/97 12.4 10.2 8.9 LICK CREEK PILLOW 6860 3/01/97 13.7 7.9 10.7	HOODOO BASIN PILLOW	6050	3/01/97		56.6	47.3	39.7	
SURINSON PARK 64-50 2/21/97 33 8.0 4.6 6.4	HOODOO CREEK	5900	3/01/97		51.6E	46.4	39.2	
SURINSON PARK 64-50 2/21/97 33 8.0 4.6 6.4	INDEPENDENCE	7850	2/28/97	70	23.6	20.0	15.6	
KRAFI CREEK FILLOW 4/50 3/01/97 25.1 10.6 14.5 LAKE CREEK 6100 3/04/97 41 9.9 8.8 7.4 LAKEVIEW CANYON 6930 2/27/97 43 11.4 6.8 9.4 LAKEVIEW GANYON 7400 3/01/97 12.7 9.3 10.3 LEMHI RIDGE FILLOW 8100 3/01/97 12.4 10.2 8.9 LICK CREEK FILLOW 6860 3/01/97 13.7 7.9 10.7			2/2//9/	43	11.6	5.6	6.8	
KRAFI CREEK FILLOW 4/50 3/01/97 25.1 10.6 14.5 LAKE CREEK 6100 3/04/97 41 9.9 8.8 7.4 LAKEVIEW CANYON 6930 2/27/97 43 11.4 6.8 9.4 LAKEVIEW GANYON 7400 3/01/97 12.7 9.3 10.3 LEMHI RIDGE FILLOW 8100 3/01/97 12.4 10.2 8.9 LICK CREEK FILLOW 6860 3/01/97 13.7 7.9 10.7			2/2//9/	33	8.0	4.6	6.4	
KRAFI CREEK FILLOW 4/50 3/01/97 25.1 10.6 14.5 LAKE CREEK 6100 3/04/97 41 9.9 8.8 7.4 LAKEVIEW CANYON 6930 2/27/97 43 11.4 6.8 9.4 LAKEVIEW GANYON 7400 3/01/97 12.7 9.3 10.3 LEMHI RIDGE FILLOW 8100 3/01/97 12.4 10.2 8.9 LICK CREEK FILLOW 6860 3/01/97 13.7 7.9 10.7	VILLANTS CAMP	3890	2/23/9/	45	12.6	8.0	7.5	
LEMHI RIDGE PILLOW 8100 3/01/97 12.4 10.2 8.9 LICK CREEK PILLOW 6860 3/01/97 13.7 7.9 10.7	KINWALIS CWALL	3720 4750			1.3	10.6	1.8	
LEMHI RIDGE PILLOW 8100 3/01/97 12.4 10.2 8.9 LICK CREEK PILLOW 6860 3/01/97 13.7 7.9 10.7	IAVE CREEK FILLOW	6100	3/01/97	6.1	23.1	10.6	14.5	
LEMHI RIDGE PILLOW 8100 3/01/97 12.4 10.2 8.9 LICK CREEK PILLOW 6860 3/01/97 13.7 7.9 10.7	LAKE OKEEK	6930	2/27/97	41	11 /	6.0	0.4	
LEMHI RIDGE PILLOW 8100 3/01/97 12.4 10.2 8.9 LICK CREEK PILLOW 6860 3/01/97 13.7 7.9 10.7	IAKEVIEW CHITCH	J 7400	3/01/97	-43	12.7	0.0	10.3	
LICK CREEK PILLOW 6860 3/01/97 13.7 7.9 10.7 LICK CREEK 6860 2/26/97 44 12.1 8.3 LITTLE PARK 7400 2/26/97 65 22.2 14.4 13.4 LOGAN CREEK 4300 2/24/97 36 10.5 6.4 6.7 LONER TWIN PILLOW 8880 3/01/97 24.2 20.3 15.5 LOWER TWIN PILLOW 7900 3/01/97 22.0 19.6 15.0 LUBRECHT PILLOW 4680 3/01/97 8.9 5.1 5.8 LUBRECHT FOREST NO 3 5.450 2/27/97 36 9.6 5.8 6.3 LUBRECHT FOREST NO 4 4650 2/27/97 23 6.6 2.2 3.1 LUBRECHT FOREST NO 4 4650 2/27/97 27 8.1 3.8 3.7 LUBRECHT HYDROPLOT 4200 2/28/97 37 9.5 6.2 6.4	IEMHT RIDGE PILLOW	8100	3/01/97		12.7	10.2	9.0	
LICK CREEK 6860 2/26/97 44 12.1 8.3 LITTLE PARK 7400 2/26/97 65 22.2 14.4 13.4 LOGAN CREEK 4300 2/24/97 36 10.5 6.4 6.7 LONE MOUNTAIN PILLOW 8880 3/01/97 24.2 20.3 15.5 LOWER TWIN PILLOW 7900 3/01/97 22.0 19.6 15.0 LUBRECHT FOREST NO 3 5450 2/27/97 36 9.6 5.8 6.3 LUBRECHT FOREST NO 4 4550 2/27/97 23 6.6 2.2 3.1 LUBRECHT FOREST NO 4 4550 2/27/97 27 8.1 3.8 3.7 LUBRECHT FOREST NO 6 4040 2/27/97 27 8.1 3.8 3.7 LUBRECHT HYDROPLOT 4200 2/28/97 37 9.5 6.2 6.4	LICK CREEK PILLOW	6860	3/01/97		13.7	7 9	10.7	
LITTLE PARK 7400 2/26/97 65 22.2 14.4 13.4 LOGAN CREEK 4300 2/24/97 36 10.5 6.4 6.7 LONE MOUNTAIN PILLOW 8880 3/01/97 24.2 20.3 15.5 LOWER TWIN PILLOW 7900 3/01/97 22.0 19.6 15.0 LUBRECHT PILLOW 4680 3/01/97 8.9 5.1 5.8 LUBRECHT FOREST NO 3 5450 2/27/97 36 9.6 5.8 6.3 LUBRECHT FOREST NO 4 4650 2/27/97 23 6.6 2.2 3.1 LUBRECHT FOREST NO 6 4040 2/27/97 27 8.1 3.8 3.7 LUBRECHT HYDROPLOT 4200 2/28/97 37 9.5 6.2 6.4	LICK CREEK	6860	2/26/97		12.7			
LOGAN CREEK 4300 2/24/97 36 10.5 6.4 6.7 LONE MOUNTAIN PILLOW 8880 3/01/97 24.2 20.3 15.5 LOWER TWIN PILLOW 7900 3/01/97 22.0 19.6 15.0 LUBRECHT PILLOW 4680 3/01/97 8.9 5.1 5.8 LUBRECHT FOREST NO 3 5450 2/27/97 36 9.6 5.8 6.3 LUBRECHT FOREST NO 4 4650 2/27/97 23 6.6 2.2 3.1 LUBRECHT FOREST NO 6 4040 2/27/97 27 8.1 3.8 3.7 LUBRECHT HYDROPLOT 4200 2/28/97 37 9.5 6.2 6.4 6.4	LITTLE PARK	7400		65	22 2	14.7	13.4	
LONE MOUNTAIN PILLOW 8880 3/01/97 24.2 20.3 15.5 LOWER TWIN PILLOW 7900 3/01/97 22.0 19.6 15.0 LUBRECHT PILLOW 4680 3/01/97 8.9 5.1 5.8 LUBRECHT FOREST NO 3 5450 2/27/97 36 9.6 5.8 6.3 LUBRECHT FOREST NO 4 4650 2/27/97 23 6.6 2.2 3.1 LUBRECHT FOREST NO 6 4040 2/27/97 27 8.1 3.8 3.7 LUBRECHT HYDROPLOT 4200 2/28/97 37 9.5 6.2 6.4	LOGAN CREEK	4300		36	10.5	6.4	6.7	
LOWER TWIN PILLOW 7900 3/01/97 22.0 19.6 15.0 LUBRECHT PILLOW 4680 3/01/97 8.9 5.1 5.8 LUBRECHT FOREST NO 3 5450 2/27/97 36 9.6 5.8 6.3 LUBRECHT FOREST NO 4 4650 2/27/97 23 6.6 2.2 3.1 LUBRECHT FOREST NO 6 4040 2/27/97 27 8.1 3.8 3.7 LUBRECHT HYDROPLOT 4200 2/28/97 37 9.5 6.2 6.4	LONE MOUNTAIN PILLO	W 8880	2 /01 /07		24.2	20 3	15.5	
LUBRECHT PILLOW 4680 3/01/97 8.9 5.1 5.8 LUBRECHT FOREST NO 3 5450 2/27/97 36 9.6 5.8 6.3 LUBRECHT FOREST NO 4 4650 2/27/97 23 6.6 2.2 3.1 LUBRECHT FOREST NO 6 4040 2/27/97 27 8.1 3.8 3.7 LUBRECHT HYDROPLOT 4200 2/28/97 37 9.5 6.2 6.4 6.4	LOWER TWIN PILLOW	7900	3/01/97		22.0	19.6	15.0	
LUBRECHT FOREST NO 3 5450 2/27/97 36 9.6 5.8 6.3 LUBRECHT FOREST NO 4 4650 2/27/97 23 6.6 2.2 3.1 LUBRECHT FOREST NO 6 4040 2/27/97 27 8.1 3.8 3.7 LUBRECHT HYDROPLOT 4200 2/28/97 37 9.5 6.2 6.4	LUBRECHT PILLOW	4680	3/01/97		8.9	5.1	5.8	
LUBRECHT FOREST NO 4 4650 2/27/97 23 6.6 2.2 3.1 LUBRECHT FOREST NO 6 4040 2/27/97 27 8.1 3.8 3.7 LUBRECHT HYDROPLOT 4200 2/28/97 37 9.5 6.2 6.4	LUBRECHT FOREST NO	3 5450	2/27/97	36	9.6	5.8	6.3	
LUBRECHT FOREST NO 6 4040 2/27/97 27 8.1 3.8 3.7 LUBRECHT HYDROPLOT 4200 2/28/97 37 9.5 6.2 6.4	LUBRECHT FOREST NO 4	4 4650	2/27/97	23	6.6	2.2	3.1	
LUBRECHT HYDROPLOT 4200 2/28/97 37 9.5 6.2 6.4			2/27/97	27	8.1	3.8	3.7	
	LUBRECHT HYDROPLOT	4200	2/28/97	37	9.5	6.2	6.4	

MADISON PLT PILLOW	7750	3/01/97		36.4	23.6	20.6
MANY GLACIER PILLOW	4900	3/01/97		20.8	11.7	14.8
MARIAS PASS	5250	2/27/97	73	25.4	15.0	14.9
MAYNARD CREEK	6210	2/24/97	69	22.3	9.3	12.4
MIDDLE MILL CREEK	7850	2/24/97	59	20.3	14.9	13.5
MILL CREEK	7500	2/25/97	56	18.2	12.1	10.2
MINERAL CREEK	4000	2/26/97	80	28.0	16.8	15.9
MONUMENT PK PILLOW	8850	3/01/97		28.8	22.6	17.8
MOSS PEAK PILLOW	6780	3/01/97		53.2	37.6	31.4
MT LOCKHART PILLOW	6400	3/01/97		23.1	21.7	18.0
MULE CREEK PILLOW	8300	3/01/97		19.8	19.6	13.2
NEVADA CREEK PILLOW	6480	3/01/97		18.1	14.5	11.2
NEVADA CREEK FILLOW NEVADA RIDGE PILLOW	7020	3/01/97		16.9	17.6	13.7
NEW WORLD	6900	2/25/97	59	19.2	11.2	12.0
NEWTON MOUNTAIN	5600	2/27/97	106	43.3	31.0	29.0
NEZ PERCE CMP PILLOW	5650	3/01/97	100	19.1	15.7	13.0
NEZ PERCE CREEK	6600	2/28/97	40	11.2	6.6	5.9
NEZ PERCE PASS		2/28/97	67	21.5	15.7	14.6
	6570					
NOISY BASIN PILLOW	6040	3/01/97		57.6	37.4	33.7
N.F. ELK CR PILLOW	6250	3/01/97		15.5	12.2	10.8
NF JOCKO PILLOW	6330	3/01/97		55.4	43.3	39.8
N.E. ENTRANCE PILLOW	7350	3/01/97		11.3	10.1	8.1
NOTCH	8500	3/01/97	59	15.9	13.8	12.4
OPHIR PARK	7150	3/02/97	68	19.5	15.6	14.7
PETERSON MEADOWS	7200	2/27/97	51	13.0	7.8	8.4
PICKFOOT CRK PILLOW	6650	3/01/97		13.6	10.6	9.1
PIKE CREEK PILLOW	5930	3/01/97		33.1	26.7	22.8
PIPESTONE PASS	7200	2/27/97	28	7.0	4.1	4.1
PLACER BASIN PILLOW	8830	3/01/97		21.6	18.0	15.3
PORCUPINE PILLOW	6500	3/01/97		11.4	5.1	6.1
POTOMAGETON PARK	7150	2/25/97	60	20.3	12.6	12.6
RED TOP	5260	2/27/97	92	37.4	28.0	24.0
REVAIS CREEK	4800	2/26/97	19	6.0	. 7	3.1
ROCK CREEK	5600	2/26/97	36	8.8	3.6	8.7
ROCK CREEK MEADOW	8160	2/25/97	82	29.9	20.6	17.4
ROCKER PEAK PILLOW	8000	3/01/97		15.4	13.8	12.6
ROCKY BOY PILLOW	4700	3/01/97		4.8	.1	4.6
ROCKY BOY	4700	2/28/97	16	3.8	.1	4.0
SACAJAWEA	6550	2/25/97	64	21.8	11.4	11.8
SADDLE MTN PILLOW	7900	3/01/97		33.0	32.7	21.9
SHORT CREEK PILLOW	7000	3/01/97		6.0	4.5	4.9
SHOWER FALLS PILLOW	8100	3/01/97		27.4	20.0	18.8
SILVER RUN PILLOW	6630	3/01/97		5.8	5.3	5.2
SKALKAHO PILLOW	7260	3/01/97		32.4	28.9	20.8
SLIDE ROCK MOUNTAIN	7100	3/01/97	63	18.4	12.5	13.3
SMUGGLER MINE	6960	2/24/97	41	11.9	7.3	8.6
S.F. SHIELDS PILLOW	8100	3/01/97		25.5	15.8	14.2
SPOTTED BEAR MTN.	7000	3/01/97		19.4E	13.4	13.3
SPUR PARK PILLOW	8100	3/01/97		23.6	20.2	18.6
SQUAW PEAK PILLOW	6150	3/01/97		23.5	14.5	13.0
STAHL PEAK PILLOW	6030	3/01/97		38.7	43.5	30.2
STAHL PEAK	6030	2/27/97	118	43.8		33.9
STEMPLE PASS	6600	2/25/97	44	12.3	7.6	8.5
STORM LAKE	7780	2/27/97	61	15.9	13.0	10.8
STRYKER BASIN	6180	2/27/97	107	38.8	34.0	28.5
STUART MOUNTAIN	7400	2/28/97	115	43.5	37.6	27.4
STUART MOUNTAIN PILL	7400	3/01/97		39.1	33.5	25.8
SUCKER CREEK	3960	2/28/97	4	.3	. 5	.4
TAYLOR ROAD	4080	2/28/97	14	3.1	.4	3.1
TEN MILE LOWER	6600	2/24/97	35	9.1	4.2	6.3

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH				
 TEN MILE MIDDLE	6800	2/24/97	46	12.9	9.4	9.5	-
TEPEE CREEK PILLOW		3/01/97				10.9	
TIMBERLINE CREEK	8850	3/01/97		18.6E			
TIZER BASIN PILLOW	6840	3/01/97		9.6	9.4	9.6	
TRAIL CREEK	7090	2/28/97	33	8.0	7.3	6.9	
TRINKUS LAKE	6100	2/24/97	150	55.7	36.4	36.7	
TRUMAN CREEK	4060	2/25/97	31	9.0	3.9	5.0	
TV MOUNTAIN	6800	2/28/97	73	24.8	17.2	15.6	
TWELVEMILE PILLOW	5600	3/01/97		24.9	13.1	16.4	
TWENTY-ONE MILE	7150	2/26/97	67	24.0	15.2	14.9	
TWIN CREEKS	3580	3/01/97		18.5E	9.3	10.7	
TWIN LAKES PILLOW	6400	3/01/97		53.6	42.3	34.3	
UPPER HOLLAND LAKE	6200	3/01/97		48.6E	30.5	30.4	
WALDRON PILLOW	5600	3/01/97		14.0	10.5	10.0	
WARM SPRINGS PILLOW	7800	3/01/97		25.7	26.4	18.2	
WEASEL DIVIDE	5450	2/27/97	102	35.8	40.4	29.5	
WEST YELLOWSTONE	6700	2/26/97		14.0	9.3	10.3	
WHISKEY CREEK PILLO	W 6800	3/01/97		22.3	14.9	14.5	
WHITE MILL PILLOW	8700	3/01/97					
WHITE PINE RIDGE	8850			6.6			
WILLOW CREEK	6500	2/24/97	36	8.8	7.0	7.1	
WOOD CREEK PILLOW	5960	3/01/97		13.0	8.6	9.7	
WRONG CREEK	5700	2/25/97				12.0	
WRONG RIDGE	6800	2/26/97	61	19.8	17.8	16.6	









Montana Water Supply Outlook Report as of March 1, 1996

February once again has been a month where temperatures have gone from cold to warm with a few small storm systems producing mountain snow showers. Storms that produced the most snowfall occurred in southwest and southcentral Montana, mainly moving along the continental divide. Storms across other mountain areas produced mostly scattered snow showers with small snow water increases.

Snowpack

As of March 1, and with about 85 percent of the winter snowpack in place, mountain snow water content across Montana was 48 percent above average and 35 percent above average wire Jack 200 percent above average of this time of year, with the Madison, Gallatin, and Upper Yellowstone setting new March 1 record highs. The previous record high, during the period 1961 through 1996, in the Madison was set in 1969 at 140 percent of average, in the Gallatin in 1965 at 152 percent of average and in the Upper Yellowstone in 1971 at 144 percent of average. Several stations continue to set new record highs in southwest and southcentral Montana and Bighorn Mountains of Wyoming.

West of the Continental Divide, snow water content was 47 percent above average and 38 percent above last year. East of the Continental Divide snow water content was 46 percent above average and 28 percent above last year.

Spring and summer surface water supplies look good to excellent in all areas of the state. Streamflows are expected to be above to well above average in most areas and snowmelt runoff peak flows could be at record highs, depending upon spring rain and spring temperatures. People in low lying floodplain areas should keep an eye tuned to their nearby stream or river. If high water becomes a threat, individuals need to contact their local Disaster and Emergency Services Coordinator or the National Weather Service to obtain information to monitor expected stream and river rises.

RIVER BASIN % OF AVERAGE	%	OF	LAST	YEAR
COLUMBIA 147				138
KOOTENAI 131				123
FLATHEAD 151				141
UPPER CLARK FORK 147				133
BITTERROOT 153				130
LOWER CLARK FORK 140				137
MISSOURI 146				136
MISSOURI HEADWATERS 154				136
JEFFERSON 149				125
MADISON 155				136
GALLATIN 162				150
MISSOURI MAINSTEM 129				133
HEADWATERS MAINSTEM 131				125
SMITH-JUDITH-MUSSELSHELL 133				144
SUN-TETON-MARIAS 130				123
MILK 106				198
ST. MARY 143				132
ST. MARY & MILK 130				147
YELLOWSTONE 148				122
UPPER YELLOWSTONE 162				125
LOWER YELLOWSTONE (WYOMING). 135				114
WIND 143				112
SHOSHONE 160				101
BIGHORN 140				114
TONGUE 114				112
POWDER 128				133

Precipitation

February precipitation across the state was 6 percent below average and the water year precipitation was 45 percent above average.

West of the Continental Divide, February precipitation was 7 percent below average and 36 percent below last year, and water year precipitation was 44 percent above average and 3 percent below last year. East of the Continental Divide, February precipitation was 4 percent below average and 27 percent below last year, and water year precipitation was 47 percent above average and 14 percent above last year.

	FEBRUARY OF AVERAGE	WATER YEAR % OF AVERAGE
COLUMBIA KOOTENAI FLATHEAD UPPER CLARK FORK BITTERROOT LOWER CLARK FORK MISSOURI JEFFERSON MADISON GALLATIN MISSOURI MAINSTEM SMITH-JUDITH-MUSSELSHELL SUN-TETON-MARIAS MILK ST. MARY	93 80 100 91 93 84 91 90 93 120 78 87 77	137 147 142 148 137 142 148 137 142 148 161 158 123 129 124 102
VELLOWSTONE UPPER YELLOWSTONE LOWER YELLOWSTONE WIND SHOSHONE BIGHORN	104 113 91 62 99	149 163 136 135 172

Reservoirs

Major reservoir storage across the state was 7 percent below average and 24 percent below last year. West of the Continental Divide, reservoirs were 12 percent below average and 32 percent below last year. East of the Continental Divide, reservoirs were 10 percent above average and 14 percent below last year.

Keep in mind that this year reservoir operators are releasing water in reservoirs earlier than normal in anticipation of the well above average snowpack we have this year. Ice fisherman need to keep in mind that water is being released from many reservoirs and the ice may become unsafe earlier than expected. Other recreationists planning on using reservoirs this spring need to be aware that they may be lower than normal in preparation for the high snowpack runoff. Recreationists that plan on using streams below reservoirs this spring, need to be aware of possible fluctuations in rivers due to reservoir managers adjusting outflows to manage anticipated large inflows to reservoirs. It would be best to contact reservoir managers and ask what their reservoir operation plans are during your planned visit.

RIVER BASIN	% OF	CAPACITY	8	OF .	AVERAGE
COLUMBIA		88			68
KOOTENAI		91			69
FLATHEAD		85			66
UPPER CLARK FORK		105			83
BITTERROOT		84			56
LOWER CLARK FORK		98			90
MISSOURI		100			87

Reservoirs (continued)

	RIVER BASIN % O	F CAI	PACITY	ъ	OF.	AVERA
	JEFFERSON	111				96
	MADISON					
	GALLATIN					
	MISSOURI MAINSTEM	89				87
	SMITH-JUDITH-MUSSELSHELL	104		٠.		73
	SUN-TETON-MARIAS	120				84
	MILK	127				93
S.	r. MARY	120				84
YI	ELLOWSTONE	94				92
	UPPER YELLOWSTONE	95				98
	LOWER YELLOWSTONE	93				92

Streamflow

Streamflow forecasts across Montana were 42 percent above average and 30 percent above last years forecasts. West of the Continental Divide, streamflows are forecast to be 37 percent above average and 16 percent above last years forecasts. East of the Continental Divide, streamflows are forecast to be 44 percent above average and 125 percent above last years forecasts.

Some streamflow forecasts, for the period April through July, are forecast to be at new record highs in the Upper Clark Fork, Bitterroot, Madison, Gallatin, Missouri Mainstem, Upper Yellowstone, and Lower Yellowstone River Basins. Please see individual river basins for details.

Snowmelt runoff flows could reach record highs, depending upon spring rain and temperatures. Those with properties in low-lying, floodplain areas should watch for sudden rise in streams or rivers, and contact the local disaster and emergency services coordinator or the National Weather Service to monitor high water conditions.

	F	DRECA	ASTS			FC	DRECAS	STS
RIVER BASIN	% OI	F AVE	ERAGE		%	OF	LAST	YEAF
COLUMBIA		137		 			116	
KOOTENAI		114		 			93	
FLATHEAD		133		 			109	
UPPER CLARK FORK		149		 			143	
BITTERROOT		147		 			115	
LOWER CLARK FORK		142		 			122	
MISSOURI		147		 			130	
JEFFERSON		156		 			128	
MADISON		146		 			125	
GALLATIN		151		 			136	
MISSOURI MAINSTEM		161		 			134	
SMITH-JUDITH-MUSSELSHELL		143		 			133	
SUN-TETON-MARIAS		137		 			122	
MILK		136		 			134	
ST. MARY		125		 			116	
YELLOWSTONE		160		 			130	
UPPER YELLOWSTONE		159		 			130	
LOWER YELLOWSTONE		160		 			129	

NOTE: The FORECAST AS % OF LAST YEAR column above, is this years forecast as a percnet of last years forecast, not of what actually occurred.

Surface Water Supply Index

The Surface Water Supply Index (SWSI) is an indicator of surface water supply conditions for the spring and summer months. Water users that rely on mountain precipitation can use the indes to evaluate seasonal surface water supplies. The SWSI accounts for mountain snowpack, mountain precipitation, streamflow, reservoir storage, and soil moisture.

	SWSI RATING	SURFACE WATER CONDITION
	+3.0 to +4.0	Extremely Wet
	+2.0 to +3.0	Moderately Wet
	+1.0 to +2.0	Slightly Wet
	-1.0 to +1.0	Near Average
	-1.0 to +1.0	Slightly Dry
	-2.0 to -3.0	Moderately Dry
	-3.0 to -4.0	Extremely Dry
	-3.0 00 -4.0	Exclemely Dly
SWSI		Basin
+1.5	Kootenai River at Ft.	. Steele (Kootenai in Canada)
+3.0	Tobacco River	
+1.5	Kootenai Ft. Steele t	o Libby Dam
+1.3	Kootenai River below	
+1.3	Fisher River	
+3.3	Yaak River	
+3.5	North Fork Flathead F	River
+3.3	Middle FORK Flathead	River
+3.3	South Fork Flathead F	
+3.4	Flathead River at Col	
+3.2	Stillwater/Whitefish	Rivers
+3.8	Swan River	
+3.0	Flathead River at Pol	lson
+3.9	Mission Valley	
+3.3	Little Bitterroot Riv	<i>y</i> er
+3.2	Clark Fork River above	
+3.0	Blackfoot River	
+3.1	Clark Fork River above	ve Missoula
+3.7	Bitterroot River	
+3.2	Clark Fork River belo	ow Bitterroot River
+3.1	Clark Fork River belo	ow Flathead River
+3.2	Beaverhead River	
+3.3	Ruby River	
+3.4	Big Hole River	
+3.2	Boulder River (Jeffer	rson)
+3.4	Jefferson River	
+4.0	Madison River	
+4.0	Gallatin River	
+3.7	Missouri River above	Canvon Ferry
+3.7	Missouri River below	
+3.3	Smith River	
+2.6	Sun River	
+2.1	Teton River	
+2.7	Birch/Dupuyer Creeks	
+2.8	Marias River	
+2.8	Musselshell River	
+3.3	Missouri River above	Ft. Peck

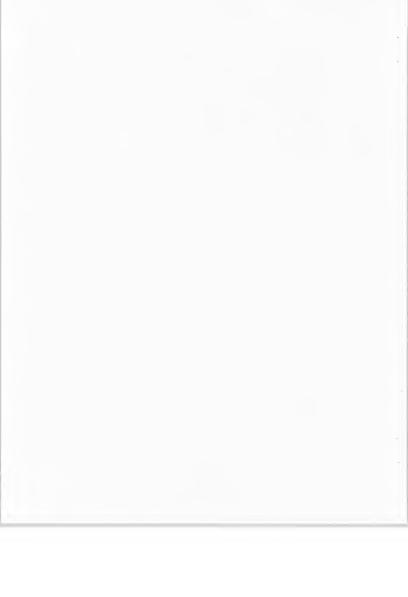
Missouri River below Ft. Peck

Milk River (USBR users)

+3.3

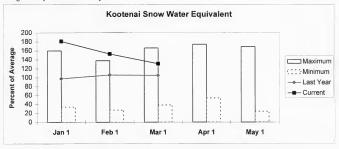
Surface Water Supply Index (continued)

SWSI	Basin
+4.0	Yellowstone River above Livingston
+4.0	Shields River
+4.0	Boulder River (Yellowstone)
+4.0	Stillwater River
+4.0	Rock/Red Lodge Creeks
+4.0	Clarks Fork River
+4.0	Yellowstone River above Bighorn River
+3.6	Bighorn River below Bighorn Lake
+1.4	Little Bighorn River
+3.8	Yellowstone River below Bighorn River
+1.6	Tongue River
+2.1	Powder River



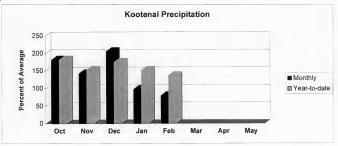
Kootenai River Basin in Montana

Snowpack conditions in the Kootenai River Basin of Montana and Canada were above average. Snow water content for the Kootenai in Montana was 31 percent above average, 23 percent above last year, and fifth highest of record for the period 1961-1996. Snow water content for the Kootenai in Canada was 25 percent above average and 3 percent above last year.



January maximum swe was established in 1985 and minimum was in 1977; February maximum swe was in 1972 And minimum swe was in 1972 and minimum swe was in 1972 and minimum swe was in 1973 and minimum swe was in 1974 and minimum swe was in 1975 and minimum swe was in 1975 and minimum swe was in 1975 and minimum swe was in 1974 and minimum swe was in 1974 and minimum swe was in 1975 and minimum

Mountain precipitation during February was 21 percent below average and 49 percent below last year. Valley precipitation during February was 7 percent above average and 5 percent above last year. Water year precipitation, beginning October 1, 1996, was 37 percent above average and 8 percent below last year.



Lake Koocanusa storage, on the last day of February, was 9 percent below average and 31 percent below last year.

Streamflows, for the period April through July, are forecast to be 14 percent above average and 7 percent below last years forecasts.

Surface Water Supply Index (SWSI) was +1.5 in the Kootenai at Ft. Steele (Kootenai in Canada); +3.0 in the Tobacco River; +1.5 in the Kootenai Ft. Steele to Libby Dam; +1.3 in the Kootenai River below Libby Dam; +1.3 in the Fisher River; and +3.3 in the Yaak River.

KOOTENAI RIVER BASIN in Montana

		SCIEMMITO	FOLECABLE	- March 1, 19	191			
Forecast Point	Forecast Period	į	70% (1000AF)	== Future Co = Chance Of E 50% (Most (1000AF)	Exceeding *	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
TOBACCO RIVER nr Bureka	APR-JUL APR-SEP	175 191	190 208	200	150 150	210 232	225 249	133 147
LIBBY RES Inflow (1,2)	APR-JUL	5157	5977	6350	110	6723	7543	5779
	APR-SEP	6040	7003	7440	110	7877	8840	6772
FISHER RIVER near Libby	APR-JUL	338	357	370	158	383	402	234
	APR-SEP	363	382	395	158	408	427	250
YAAK RIVER near Troy	APR-JUL	700	736	760	157	784	820	483
	APR-SEP	728	765	790	156	815	852	505
KOOTENAI at Leonia (1,2)	APR-JUL	6532	7562	8030	112	8498	9528	7199
	APR-SEP	7506	8692	9230	112	9768	10954	8275

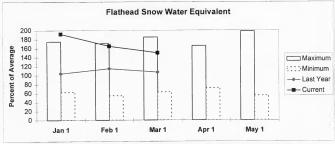
				i		3,00		0275
KOOTENAI RIVER Reservoir Storage (1000			ary			RIVER BASIN in M pack Analysis -		997
Reservoir	Usable Capacity	*** Usa This Year	ble Stora Last Year	ge *** Avg	Watershed	Number of Data Sites	This Year Last Yr	
LAKE KOOCANUSA	5748.0	1745.0	2534.0	1921.0	KOOTENAY in CANADA	20	102	125
					KOOTENAI MAINTSTEM	2	133	130
				-	TOBACCO	3.	96	126
					FISHER	3	121	91
					YAAK	7	139	151
					KOOTENAI in MONTANA	15	123	131
					abv BONNERS FERRY	35	112	128

^{• 90%, 70%, 30%,} and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
 The value is natural flow - actual flow may be affected by upstream water management.

Flathead River Basin

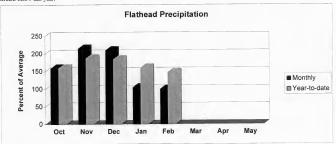
Snowpack conditions in the Flathead River Basin of Montana and Canada were well above average. Snow water content for the Flathead River Basin in Montana was 50 percent above average, 33 percent above last year, and sixth highest of record, for the period 1961-1996. Snow water content for the Flathead River Basin in Canada was 35 percent above average and 21 percent above last year.



January maximum swe was established in 1991 and minimum was in 1988; February maximum swe was in 1972 and minimum was in 1977, April maximum swe was in 1972 and minimum was in 1992; May maximum swe was in 1972 and minimum was in 1992; May maximum swe was in 1974 and minimum was in 1992, and June maximum swe was in 1974 and minimum was in 1992.

Average is for the period 1961 through 1990.

Mountain precipitation during February was average and 26 percent below last year. Valley precipitation during February was 6 percent above average and 14 percent below last year. Water year precipitation, beginning October 1, 1996, was 47 percent above average and 1 percent below last year.



Reservoir storage, on the last day of February, was 15 percent below average and 34 percent below last year. Combined Camas reservoir storage was 54 percent above average and 31 percent above last year; combined Mission Valley reservoir storage was 16 percent below average and 25 percent below last year; Hungry Horse storage was 24 percent below average and 36 percent below last year; and Flathead Lake storage was 6 percent above average and 31 percent below last year.

Streamflows, for the period April through July, are forecast to be 33 percent above average and 9 percent above last years forecasts. Snowmelt rumoff flows could reach record highs, depending upon spring rain and temperatures. Those with properties in low-lying, floodplain areas should watch for sudden rise in streams or rivers, and contact the local disaster and emergency services coordinator or the National Weather Service to monitor high water conditions.

Surface Water Supply Index (SWSI) was +3.5 in the North Fork Flathead River; +3.3 in the Middle Fork Flathead River; +3.3 in the South Fork Flathead River; 43.4 in the Flathead River at Columbia Falls; +3.2 in the Stillwater/Whitefish Rivers; +3.8 in the Swan River; +3.0 in the Flathead River at Polson; +3.9 in the Mission Valley; and +3.3 in the Little Bitterroot River.

FLATHEAD RIVER BASIN

		<<=====	Drier ====	== Future Co	nditions ==	Wetter	====>>	
Forecast Point	Forecast			- Chance Of E	xceeding * =			
	Period	90%	70%	50% (Most	Probable)	30%	10%	30-Yr Av
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000)
F FLATHEAD or Columbia Falls	APR-JUL	1986	2090	2160	130	2230	2334	166
	APR-SEP	2195	2311	2390	130	2469	2585	183
F FLATHEAD nr West Glacier	APR-JUL	1941	2065	2150	131	2235	2359	16
	APR-SEP	2118	2256	2350	131	2444	2582	178
UNGRY HORSE Reservoir Inflow (1,2)	APR-JUL	2448	2663	2760	135	2857	3072	205
	APR-SEP	2606	2836	2940	135	3044	3274	21
LATHEAD at Columbia Falls (2)	APR-JUL	6496	6868	7120	130	7372	7744	54
	APR-SEP	7059	7465	7740	130	8015	8421	59
FILLWATER nr Whitefish	APR-JUL	238	263	280	148	297	322	1
	APR-SEP	260	290	310	148	330	360	2
HITEFISH nr Kalispell	APR-JUL	135	147	155	149	163	175	1
	APR-SEP	151	165	175	151	185	199	1
NAN RIVER near Bigfork	APR-JUL	740	785	815	140	845	890	5
	APR-SEP	845	896	930	140	964	1015	6
LATHEAD Lake Inflow (1,2)	APR-JUL	7562	8331	8680	136	9029	9798	63
	APR-SEP	8187	9021	9400	136	9779	10613	69

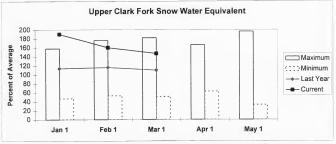
FLATHEAD R Reservoir Storage (1000			1877		FLATHEAD R: Watershed Snowpack As			007
ACCUSED TO LONG TO STATE OF THE	**********				SHEERSHEESHEESHEESHEESHEESH	MILLERENS	PORTON A, A	
	Usable		able Stora	age ***		Number	This Year	as % of
Reservoir	Capacity		Last		Watershed	of		
		Year	Year	Avg	Dat	ta Sites	Last Yr	Average
CAMAS (4)	45.2	32.3	24.6	21.0	NORTH FORK FLATHEAD in CA	2	138	145
MISSION VALLEY (8)	100.0	31.7	42.5	37.8	NORTH FORK FLATHEAD in MT	9	116	138
HUNGRY HORSE	3451.0	1681.0	2635.0	2205.0	MIDDLE FORK FLATHEAD	6	130	140
FLATHEAD LAKE	1791.0	935.1	1354.0	881.0	SOUTH FORK FLATHEAD	7	163	160
					STILLWATER-WHITEFISH	10	137	147
					SWAN	7	155	161
					MISSION VALLEY	4	168	172
					LITTLE BITTERROOT-ASHLEY	6	180	158
					JOCKO	5	136	153
					FLATHEAD in MONTANA	40	141	151
					FLATHEAD BASIN	42	141	151

^{* 90%, 70%, 30%,} and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
 The value is natural flow - actual flow may be affected by upstream water management.

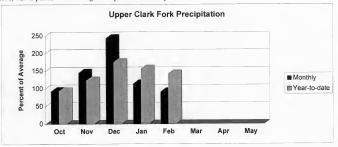
Upper Clark Fork River Basin

Snowpack conditions in the Upper Clark Fork River Basin were well above average and third highest of record, for the period 1961-1996. Snow water content was 47 percent above average and 33 percent above last year.



January maximum swe was established in 1978 and minimum swe was in 1977; February maximum was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum was in 1994; May maximum swe was in 1972 and minimum swe was in 1974; May maximum swe was in 1975 and minimum swe was in 1975; and June maximum swe was in 1975 and minimum swe was in 1975. Average is for the period 1961 through 1990.

Mountain precipitation during February was 11 percent below average 29 percent below last year. Valley precipitation during February was 7 percent above average and 28 percent below last year. Water year precipitation, beginning October 1, 1996, was 42 percent above average and 3 percent above last year.



Reservoir storage, on the last day of February, was 5 percent above average and 17 percent below last year. Georgetown Lake storage was 11 percent above average and 1 percent above last year; Lower Willow Creek storage was 12 percent above average and 32 percent below last year; and Nevada Creek storage was 24 percent below average and 63 percent below last year.

Streamflows, for the period April through July, are forecast to be 49 percent above average and 43 percent above last years forecasts. Snowmelt runoff flows could reach record highs, depending upon spring rain and temperatures. Those with properties in low-lying, floodplain areas should watch for sudden rise in streams or rivers, and contact the local disaster and emergency services coordinator or the National Weather Service to monitor high water conditions.

There are new record streamflows forecast for the period April through July at Clearwater near Clearwater and Blackfoot River near Bonner.

Surface Water Supply Index (SWSI) was +3.2 in the Clark Fork River above Rock Creek; +3.0 in the Blackfoot River; and +3.1 in the Clark Fork River above Missoula.

UPPER CLARK FORK RIVER BASIN Streamflow Forecasts - March 1, 1997

				- March 1, 1				
	========					Wette:		
Forecast Point	Forecast			Chance Of	Exceeding t			
POTOCOUGE TOWNS	Period	90%	70%		Probable)		10%	30-Yr Avg.
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
WARM SPRINGS CK at Anaconda (2)	APR-JUL	39	46	50	132	55	61	38
	APR-SEP	4.8	55	60	128	65	72	47
JITTLE BLACKFOOT nr Garrison	APR-JUL	68	96	115	139	134	163	83
	APR-SEP	74	104	125	140	146	176	89
LINT CK nr Southern Cross (2)	APR-JUL	16.0	19.6	22	155	24	28	14.2
	APR-SEP	19.5	24	27	162	30	35	16.7
LINT CK bl Boulder Ck	APR-JUL	67	80	89	156	98	111	57
	APR-SEP	86	101	112	153	123	138	73
OWER WILLOW CK RES Inflow	APR-JUL	14.4	17.8	20	144	23	26	14.0
	APR-SEP	15.2	18.8	21	143	24	27	14.8
F ROCK CREEK nr Philipsburg	APR-JUL	83	93	100	152	107	118	66
	APR-SEP	91	102	110	149	118	129	74
OCK CREEK near Clinton	APR-JUL	377	423	455	154	487	533	296
	APR-SEP	418	470	505	152	540	592	333
EVADA CK nr Finn	APR-JUL	16.3	21	24	124	27	31	19.1
	APR-SEP	17.9	23	26	122	29	34	21
LEARWATER nr Clearwater	APR-JUL	253	266	275	160	284	297	172
	APR-SEP	267	281	290	160	299	313	181
LACKFOOT RIVER near Bonner	APR-JUL	1214	1301	1360	163	1419	1506	835
	APR-SEP	1348	1444	1510	163	1576	1672	926
LARK FORK ab Milltown	APR-JUL	791	933	1030	158	1127	1269	652
	APR-SEP	926	1083	1190	158	1297	1454	755
LARK FORK ab Missoula	APR-JUL	2017	2239	2390	161	2541	2763	1487
	APR-SEP	2285	2526	2690	160	2854	3095	1681
	FORK RIVER B					CLARK FORK R		
UPPER CLARK Reservoir Storage (1			ry			nowpack Analys		1, 1997
	Usable		le Storage			Numbe		Year as % of
eservoir	Capacity		Last		rshed	of		rear as & or
	· · · i	Year		Avg		Data S		
						***********		*********
EORGETOWN LAKE	31.0	28.4	28.0		K FORK.abv F	LINT CRK 15	130	141

								- 1						
							**********					**********		
* 90%	, 70%,	30%,	and 10%	chances o	f exceeding	are the	probabilities	that	the actua	l flow will	exceed	the volumes	in the	table.

ROCK CREEK

BLACKFOOT

CLARK FORK abv BLACKFOOT 23

UPPER CLARK FORK BASIN 36

5 134

1.6

134

130

152

147

145

12.6 3.8 10.4 5.0

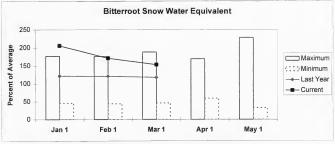
The average is computed for the 1961-1990 base period.

NEVADA CREEK

^{(1) -} The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural flow - actual flow may be affected by upstream water management.

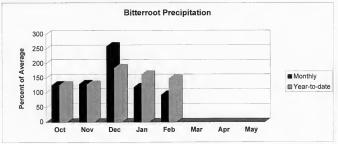
Bitterroot River Basin

Snowpack conditions in the Bitterroot River Basin were well above average and the second highest of record, for the period 1961-1996. Snow water content was 53 percent above average and 30 percent above last year.



January maximum swe was established in 1965 and minimum swe in 1977; February maximum swe was in 1972 and minimum was in 1979; March maximum swe was in 1972 and minimum swe was in 1973. April maximum swe was in 1973 and minimum swe was in 1976, and minimum swe was in 1977; And minimum swe was in 1972 and minimum swe was in 1972 and minimum swe was in 1987 and 1972 and minimum swe was in 1987 and 1972. Are also provided in 1974 and minimum swe was in 1987 and 1972. Are also provided in 1974 and minimum swe was in 1987 and 1972. Are also provided in 1974 and 1974 an

Mountain precipitation during February was 5 percent below average and 37 percent below last year. Valley precipitation during February was 26 percent below average and 57 percent below last year. Water year precipitation, beginning October 1, 1996, was 48 percent above average 6 percent below last year.



Reservoir storage, on the last day of February, was 16 percent below average and 44 percent below last year. Painted Rocks Lake storage was 54 percent below average and 70 percent below last year and Como storage was 21 percent above average and 21 percent below last year.

Streamflows, for the period April through July, are forecast to be 47 percent above average and 15 percent above last years forecasts. Snowmelt runoff flows could reach record highs, depending upon spring rain and temperatures. Those with properties in low-lying, floodplain areas should watch for sudden rise in streams or rivers, and contact the local disaster and emergency services coordinator or the National Weather Service to monitor high water conditions.

There is a new record streamflow forecast for the period April through July at Skalkaho Creek near Hamilton.

Surface Water Supply Index (SWSI) was +3.7 in the Bitterroot River.

BITTERROOT RIVER BASIN Streamflow Forecasts - March 1, 1997

				- MOLCH I, IP				
Forecast Point	Forecast	į	Drier			Wetter	====>>	
Forecast Point	Period	90% (1000AF)	70% (1000AF)	50% (Most (1000AF)		30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
WF BITTERROOT nr Conner (2)	APR-JUL	190	214	230	151	246	270	152
	APR-SEP	207	233	250	151	267	293	166
BITTERROOT or Darby	APR-JUL	618	682	725	148	768	832	491
	APR-SEP	690	756	800	148	844	910	540
ROCK CK nr Darby (2)	APR-JUL	97	105	110	139	115	123	79
	APR-SEP	102	110	115	139	120	128	83
SKALKAHO CK nr Hamilton	APR-JUL	59	64	68	148	72	77	46
	APR-SEP	67	73	77	145	81	87	53
BURNT FORK CK nr Stevensville (2)	APR-JUL	32	37	4.0	138	4.3	48	29
	APR-SEP	37	42	4.6	135	50	55	34
BITTERROOT at Missoula	APR-JUL	1711	1841	1930	148	2019	2149	1301
	APR-SEP	1864	2005	2100	148	2195	2336	1418

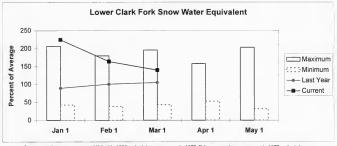
BITTERROO Reservoir Storage (10)	RIVER BASIN 00 AF) - End		У		BITTERRO Watershed Snowpac	OT RIVER BASI k Analysis -		.997
eservoir	Usable Capacity	*** Usabl This Year	e Storage Last Year	*** Avg	Watershed	Number of Data Sites	This Year	
AINTED ROCKS LAKE	31.7	5.6	18.4	12.3	WEST FORK BITTERROOT	3	115	149
ОМО	34.9	15.8	20.1	13.1	EAST SIDE BITTERROOT	5	123	157
					WEST SIDE BITTERROOT	3	138	151
					BITTERROOT BASIN	10	130	153

^{* 90%, 70%, 30%,} and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
 The value is natural flow - actual flow may be affected by upstream water management.

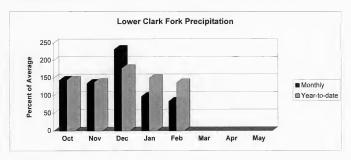
Lower Clark Fork River Basin

Snowpack conditions in the Lower Clark Fork River Basin were well above average and the fourth highest of record for the period 1961-1996. Snow water content was 40 percent above average and 37 percent above last year.



January maximum see was established in 1985 and minimum see was in 1977; February maximum see was in 1972 and minimum see was in 1972 and minimum see was in 1972 and minimum see was in 1973, and minimum see was in 1973, and minimum see was in 1973, and minimum see was in 1974 and minimum see was in 1974, and minimum see was in 1981, and minimum see was in 1981,

Mountain precipitation during February was 17 percent below average and 50 percent below last year. Valley precipitation during February was 10 percent below average and 52 percent below last year. Water year precipitation, beginning October 1, 1996, was 37 percent above average and 11 percent below last year.



Noxon Rapids storage, on the last day of February, was 2 percent below average and 10 percent below last year.

Streamflows, for the period April through July, are forecast to be 42 percent above average and 22 percent above last years forecasts.

Surface Water Supply Index (SWSI) was +3.2 in the Clark Fork River below Bitterroot River and +3.1 in the Clark Fork River below Flathead River.

LOWER CLARK FORK RIVER BASIN Streamflow Forecasts - March 1, 1997

		<<=====	Drier ====	== Future Co	onditions =	Wetter	>	
Porecast Point	Forecast	*******		- Chance Of B	Exceeding *			
	Period	90%	70%	50% (Most		30%	10%	30-Yr Avg.
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
CLARK FORK ab Missoula	APR-JUL	2017	2239	2390	161	2541	2763	1487
	APR-SEP	2285	2526	2690	160	2854	3095	1681
CLARK FORK bl Missoula	APR-JUL	3757	4092	4320	155	4548	4883	2788
	APR-SEP	4192	4554	4800	155	5046	5408	3099
CLARK FORK at St. Regis (1)	APR-JUL	4329	5196	5590	152	5984	6851	3686
	APR-SEP	4800	5763	6200	151	6637	7600	4095
CLARK FORK nr Plains (1,2)	APR-JUL	12107	13821	14600	140	15379	17093	10450
	APR-SEP	13259	15144	16000	140	16856	18741	11470
THOMPSON RIVER nr Thompson Falls	APR-JUL	224	251	270	126	289	316	214
	APR-SEP	251	280	300	125	320	349	240
PROSPECT CREEK at Thompson Falls	APR-JUL	138	151	160	130	169	182	123
	APR-SEP	148	161	170	129	179	192	132
CLARK FK at Whitehorse Rpds (1,2)	APR-JUL	13135	15105	16000	136	16895	18865	11730
	APR-SEP	14447	16615	17600	136	18585	20753	12910

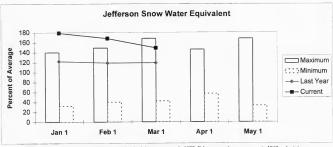
	LOWER CLARK FORK RIVER BASIN Reservoir Storage (1000 AF) - End of February					LOWER CLARK FORK RIVER BASIN Watershed Snowpack Analysis - March 1, 1997					
Reservoir	Usable Capacity	*** Usa This Year	ble Stora Last Year	ge *** Avg	Watershed	Number of Data Sites	This Year	r as % of Average			
NOXON RAPIDS	335.0	291.1	324.0	298.1	LOWER CLARK FORK CLARK FORK BASIN abv PEND ORIELLE LKE COLUMBIA IN MONTANA COLUMBIA RIVER BASIN	11 46 90 97	137 135 138 138	140 144 148 147			

^{* 90%, 70%, 30%,} and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
 The value is natural flow - actual flow may be affected by upstream water management.

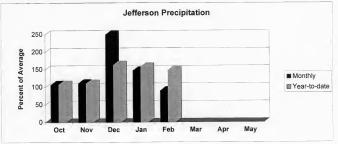
Jefferson River Basin

Snowpack conditions in the Jefferson River Basin were well above average and has tied the second highest of record, for the period 1961-1996. Snow water content was 49 percent above average and 25 percent above last year.



January maximum swe was established in 1976 and minimum swe was in 1977; February maximum swe was in 1969 and minimum was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1972 and minimum swe in 1977; May maximum swe was in 1972 and minimum swe was in 1982 and minimum swe was in 1982 and minimum in 1987. Average is for the period 1961 through 1990.

Mountain precipitation during February was 10 percent below average and 24 percent below last year. Valley precipitation during February was 2 percent above average and 45 percent below last year. Water year precipitation, beginning October 1, 1996, was 48 percent above average and 15 percent above last year.



Reservoir storage, on the last day of February, was 11 percent above average and 4 percent below last year. Lima storage was 46 percent above average and 9 percent below last year; Clark Canyon storage was 5 percent above average and 3 percent below last year; and Ruby River storage was 1 percent above average and 5 percent below last year.

Streamflows, for the period April through July, are forecast to be 56 percent above average and 28 percent above last years forecasts. Snowmelt runoff flows could reach record highs, depending upon spring rain and temperatures. Those with properties in low-lying, floodplain areas should watch for sudden rise in streams or rivers, and contact the local disaster and emergency services coordinator or the National Weather Service to monitor high water conditions.

Surface Water Supply Index (SWSI) was +3.2 in the Beaverhead River; +3.3 in the Ruby River; +3.4 in the Big Hole River; +3.2 in the Boulder River; and +3.4 in the Jefferson River as a whole.

JEFFERSON RIVER BASIN eamflow Forecasts - March 1

		<<=====	Drier	Future Co	onditions =	Wetter	*****>>	
Forecast Point	Forecast			Chance Of E	exceeding *			
	Period	90%	70%	50% (Most		30%	10%	30-Yr Avg
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF
ED ROCK RIVER near Monida (2)	APR-JUL	101	118	130	134	142	159	97
	APR-SEP	110	131	145	138	159	180	105
EAVERHEAD RIVER near Grant (2)	APR-JUL	159	183	200	152	217	241	132
Established Activity about Ordine (a)	APR-SEP	183	214	235	152	256	287	155
RAVERHEAD RIVER at Barretts (2)	APR-JUL	191	220	240	140	l 260	289	172
	APR-SEP	229	259	280	138	301	331	203
UBY RIVER near Alder	APR-JUL	82	100	112	135	124	142	83
	APR-SEP	100	121	135	136	149	170	99
IG HOLE RIVER near Melrose	APR-JUL	800	919	1000	156	1081	1200	641
	APR-SEP	873	999	1085	156	1171	1297	697
OULDER RIVER near Boulder	APR-JUL	95	116	130	153	144	165	85
	APR-SEP	103	125	140	154	155	177	91
ILLOW CREEK near Harrison	APR-JUL	17.8	24	28	157	32	38	17.7
	APR-SEP	19.2	26	31	155	36	43	20
EFFERSON RIVER near Three Forks (2) APR-JUL	1169	1366	1500	152	1634	1831	985
	APR-SEP	1301	1509	1650	153	1791	1999	1080

	JEFFERSON RIVER BASIN						JEFFERSON RIVER BASIN					
Reservoir Storage (100)	AF) - End	of Febru	ary		Watershed Snowpac	k Analysis -	March 1,	1997				
Reservoir	Usable Capacity	*** Usa This Year	ble Stora Last Year	ge *** Avg	Watershed	Number of Data Sites	This Yea	r as % of Average				
LIMA	84.0	50.4	55.2	34.5	BEAVERHEAD	15	127	148				
CLARK CANYON	255.6	153.6	158.3	146.6	RUBY	10	124	141				
RUBY RIVER	38.8	27.7	29.1	27.3	BIGHOLE	15	116	152				
					BOULDER	8	138	151				
					JEFFERSON RIVER BASIN	40	125	149				
*****************************			*********		 							

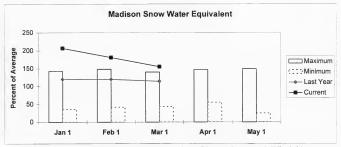
^{* 90%, 70%, 30%,} and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
 The value is natural flow - actual flow may be affected by upstream water management.

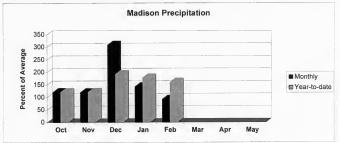
Madison River Basin

Snowpack conditions in the Madison River Basin were well above average and has set a new record, for the period 1961-1996, previously set in 1969 at 40 percent above average. Snow water content was 56 percent above average and 37 percent above last year.



January maximum swe was established in 1971 and minimum swe was in 1977, Erbruary maximum swe was in 1969 and minimum was in 1977, Horn maximum swe was in 1969 and minimum was in 1977, Horn limaximum swe was in 1974 and minimum was in 1977, Horn limaximum swe was in 1974 and minimum swe usa in 1974 and minimum swe mas in 1975, and June maximum swe was in 1995 and minimum in 1987. Average is for the period 1961 through 1990.

Mountain and valley precipitation during February was 7 percent below average and 9 percent below last year. Water year precipitation, beginning October 1, 1996, was 61 percent above average and 33 percent above last year.



Reservoir storage, on the last day of February, was 3 percent below average and 3 percent below last year. Ennis Lake storage was 17 percent below average and 4 percent above last year and Hebgen Lake storage was 1 percent below average and 3 percent below last year.

Streamflows, for the period April through July, are forecast to be 46 percent above average and 25 percent above last years forecasts. Snowmelt runoff flows could reach record highs, depending upon spring rain and temperatures. Those with properties in low-lying, floodplain areas should watch for sudden rise in streams or rivers, and contact the local disaster and emergency services coordinator or the National Weather Service to monitor high water conditions.

There is a near record streamflow forecast for the period April through July at Hebgen Dam inflow and a new record forecast at Madison River near McAllister.

Surface Water Supply Index (SWSI) was +4.0 for the Madison River.

MADISON RIVER BASIN Streamflow Forecasts - March 1, 1997

		<<=====	Drier	== Future C	Conditions =	Wetter	====>>	
Forecast Point	Forecast			- Chance Of	Exceeding *			
	Period	90%	70%	50% (Most	Probable)	30%	10%	30-Yr Avg.
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
MADISON RIVER near Grayling (2)	APR-JUL	474	513	540	142	567	606	380
	APR-SEP	610	658	690	142	722	770 .	486
				İ		İ		
MADISON RIVER near McAllister (2)	APR-JUL	879	939	980	148	1021	1081	662
	APR-SEP	1103	1170	1215	146	1260	1327	831

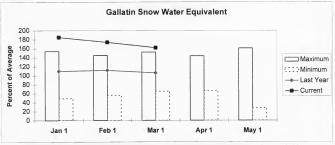
	DISON RIVER BASIN e (1000 AF) - End of	February		MADI: Watershed Snowp	SON RIVER BASI ack Analysis -		1997
Reservoir	Capacity Ti	** Usable Stor nis Last ear Year	age *** Avg	Watershed	Number of Data Sites	This Yea	r as % of Average
ENNIS LAKE	41.0	28.2 27.1	34.1	MADISON abv HEBGEN L	AKE 6	139	159
HEBGEN LAKE	377.5 24	15.7 253.9	247.8	MADISON blw HEBGEN L	AKE 11	134	152
				MADISON RIVER BASIN	17	136	155

^{* 90%, 70%, 30%,} and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
 The value is natural flow - actual flow may be affected by upstream water management.

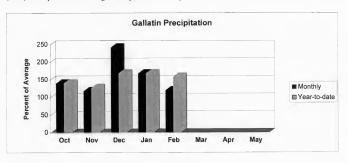
Gallatin River Basin

Snowpack conditions in the Gallatin River Basin were well above average and has set a new record, for the period 1961-1996, previously set in 1965 at 52 percent above average. Snow water content was 62 percent above average and 50 percent above last vera.



January maximum swe was established in 1968 and minimum swe was in 1966; February maximum swe was in 1965 and minimum was in 1981; March maximum swe was in 1965 and minimum was in 1981; March maximum swe was in 1971 and minimum was in 1987; May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1975 and minimum in 1987. Average is for the period 1961 through 1990.

Mountain precipitation during February was 20 percent above average and 27 percent above last year. Valley precipitation during February was 14 percent above average and 24 percent below last year. Water year precipitation, beginning October 1, 1996, was 58 percent above average and 31 percent above last year.



Middle Creek storage, on the last day of February, was NOT AVAILABLE.

Streamflows, for the period April through July, are forecast to be 51 percent above average and 36 percent above last years forecasts. Snowmelt runoff flows could reach record highs, depending upon spring rain and temperatures. Those with properties in low-lying, floodplain areas should watch for sudden rise in streams or rivers, and contact the local disaster and emergency services coordinator or the National Weather Service to monitor high water conditions.

There are record streamflows forecast for the period April through July at Gallatin River near Gateway and Gallatin River at Logan.

Surface Water Supply Index (SWSI) was +4.0 for the Gallatin River.

GALLATIN RIVER BASIN Streamflow Forecasts - March 1, 1997

		<<=====	Drier	== Future C	onditions =	===== Wetter	====>>	
Forecast Point	Forecast			- Chance Of	Exceeding *			i
	Period	90% (1000AF)	70% (1000AF)	50% (Most (1000AF)	Probable) (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg (1000AF
	APR-JUL	577	621	650	147	679		
GALLATIN RIVER near Gateway							723	441
	APR-SEP	681	728	760	147	792	839	518
6 W FK HYALITE CREEK near Bozeman	APR-JUL	28	31	33	144	35	38	23
	APR-SEP	32	36	38	146	40	44	26
YALITE CREEK near Bozeman (2)	APR~JUL	43	48	l 52	144	I 56	61	3.6
	APR-SEP	51	56	60	143	64	70	42
SALLATIN RIVER at Logan (2)	APR-JUL	629	713	l 770	155	827	911	498
,,,,	APR-SEP	753	841	900	155	959	1047	581

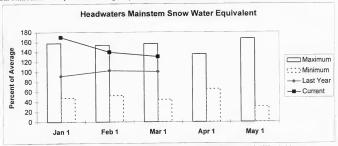
GALLATIN RIVER BASIN Reservoir Storage (1000 AF) - End of February					GALLATIN RIVER BASIN Watershed Snowpack Analysis - March 1, 1997				
Reservoir	Usable Capacity	*** Usabl This Year	e Storage Last Year	*** Avg	Watershed	Number of Data Sites		r as % of Average	
MIDDLE CREEK		NO REPORT			UPPER GALLATIN	7	139	163	
					HYALITE	4	156	149	
					BRIDGER	4	167	172	
					GALLATIN RIVER BASIN	15	150	162	
					MISSOURI HEADWATERS	65	136	154	

^{* 90%, 70%, 30%,} and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
 The value is natural flow - actual flow may be affected by upstream water management.

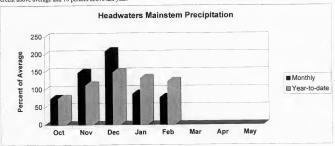
Missouri Mainstem River Basin

Snowpack conditions in the Missouri Mainstem River Basin were above average. Snow water content in the Headwaters Missouri Mainstem was 31 percent above average, 25 percent above last year, and second highest of record for the period 1961-1996; the Smith-Judith-Musselshell was 33 percent above average, 44 percent above last year, and fifth highest of record for the period 1961-1996; and the Sun-Teton-Marias was 30 percent above average, 23 percent above last year, and fourth highest of record for the period 1961-1996.



January maximum swe was established in 1978 and minimum swe in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 1976; May maximum swe was in 1975 and minimum swe was in 1976; May maximum swe was in 1978 and minimum swe was in 1978; May maximum swe was in 1982 and minimum swe was in 1982. Average is for the period 1961 through 1990.

Mountain precipitation during February was 19 percent below average and 30 percent below last year. Valley precipitation during February was 39 percent below average and 19 percent blow last year. Water year precipitation, beginning October 1, 1996, was 23 percent above average and 10 percent above last year.



Reservoir storage, on the last day of February, was 11 percent below average and 13 percent below last year. Canyon Ferry Lake storage was 13 percent below average and 15 percent below average and year. Helena Storage was 38 percent above average and the same as last year. Helena storage was 9 percent above average and the same as last year. Helena storage was 4 percent above average and the same as last year, and For Peck Lake storage was 19 percent above average and the same as last year, and For Peck Lake storage was 4 percent above average and the same as last year, and For Peck Lake storage was 4 percent above average and the same as last year, and For Peck Lake storage was 4 percent above average and 4 percent below last year. Reservoirs are being drawn down earlier than normal this year in anticipation of the record or near record spring runoff. Those using the reservoirs new or plant to use the reservoirs this spring and early summer need to contact the reservoir owner and ask what the reservoir owner and near with the plant of the pl

Streamflows, for the period April through July, are forecast to be 61 percent above average and 34 percent above last years forecasts. There is a new streamflow record forecast for the period April through July at the Missouri River at Toston.

Surface Water Supply Index (SWSI) was +3.7 in the Missouri River above Canyon Ferry; +3.7 in the Missouri River below Canyon Ferry; +3.3 in the Missouri River above Fort Peck; and +3.3 in the Missouri River below Fort Peck.

MISSOURI MAINSTEM RIVER BASIN Streamflow Forecasts - March 1, 1997

		<<======	Drier ====	== ruture co	nditions =	Wetter		
Forecast Point	Forecast							
	Period	90% (1000AF)	70% (1000AF)	50% (Most (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
MISSOURI RIVER at Toston (2)	APR-JUL	2498	2916	3200	154	3484	3902	2075
	APR-SEP	3117	3425	3720	154	4015	4325	2416
PRICKLY PEAR CREEK near Clancy	APR-JUL APR-SEP	10.4	20 24	27 31	115 115	33 38	43 49	23 27
SUN RIVER at Gibson Dam (2)	APR-JUL	483	559	610	128	661	737	478
	APR-SEP	531	611	665	126	719	799	526
MISSOURI RIVER at Fort Benton (2)	APR-JUL	3719	4452	4950	160	5448	6181	3087
	APR-SEP	4781	5381	5920	161	6459	7025	3678
MARIAS RIVER near Shelby (2)	APR-JUL	497	588	650	145	712	803	447
	APR-SEP	526	613	675	139	737	984	487
MISSOURI RIVER at Virgelle (2)	APR-JUL	4371	5195	5755	160	6315	7139	3595
	APR-SEP	5440	6189	6790	161	7391	8350	4217
MISSOURI RIVER near Landusky (2)	APR-JUL	4922	5802	6400	164	6998	7878	3897
	APR-SEP	6091	6992	7600	166	8208	9389	4580
MISSOURI RIVER below Fort Peck (2)	APR-JUL	5122	6017	6625	165	7233	8128	4015
	APR-SEP	6067	7081	7650	166	8219	9514	4596
LAKE SAKAKAWBA Inflow (2)	APR-JUL	13370	15115	16300	165	17485	19230	9897
	APR-SEP	15544	17821	19000	168	20179	22579	11346

MISSOURI Reservoir Storage	MAINSTEM RIVER (1000 AF) - End	MISSOURI MAINSTEM RIVER BASIN Watershed Snowpack Analysis - March 1, 1997						
Reservoir	Usable Capacity		able Store Last Year	age *** Avg	Watershed	Number of Data Sites		r as % of Average
CANYON FERRY LAKE	2043.0	1335.0	1563.0	1540.0	MISSOURI MAINSTEM	10	125	131
HELENA VALLEY	9.2	5.8	4.5	4.2	SMITH-JUDITH-MUSSELSHE	RLL 12	144	133
LAKE HELENA	10.4	11.1	11.1	10.2	SUN-TETON-MARIAS	14	123	130
HAUSER & HELENA	61.9	63.2	63.2	61.0	MISSOURI abv FT PECK	35	130	131
HOLTER LAKE	81.9	81.1	81.3	68.2	MILK RIVER BASIN	12	198	106
FORT PECK LAKE (MAF)	18.9	15.3	15.9	14.7	MISSOURI MAINSTEM BASI	N 46	134	128

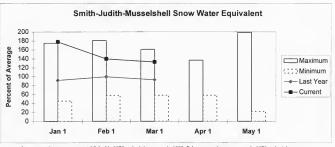
^{* 90%, 70%, 30%,} and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

^{(1) -} The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural flow - actual flow may be affected by upstream water management.

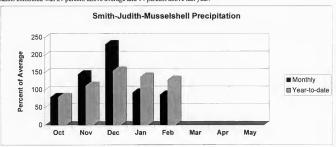
Smith-Judith-Musselshell River Basins

Snowpack conditions in the Smith-Judith-Musselshell River Basins were well above average and was the fifth highest of record for the period 1961-1996. Snow water content in the Smith River was 44 percent above average and 35 percent below last year, the Judith River was 19 percent above average and 41 percent above last year, and the Musselshell River was 39 percent of average and 52 percent above last year.



January maximum swe was established in 1978 and minimum swe in 1988; February maximum swe was in 1978 and minimum swe was in 1987, March maximum swe was in 1978 and minimum swe was in 1987, April maximum swe was in 1970 and minimum swe was in 1980 and minimum swe was in 1980, and May maximum swe was in 1980 and minimum swe was in 1982, average is for the period 1961 through 1990.

Mountain and valley precipitation during February in the Smith River was 14 percent below average and 30 percent below last year; the Judith River was 13 percent below average and 4 percent above last year; and the Musselshell River was 10 percent above average and 1 percent below last year. Water year precipitation, beginning October 1, 1996, for the three basins combined was 29 percent above average and 14 percent above last year.



Reservoir storage, on the last day of February, was 4 percent above average and 27 percent below last year. Smith River storage was 7 percent below verage and 33 percent below last year; Bair storage was 38 percent below average and 58 percent below last year; Martinsdale storage was 4 percent above average and 27 percent below last year; and Deadman's Basin was 9 percent above average and 24 percent below last year.

Streamflows, for the period April through July, are forecast to be 43 percent above average and 33 percent above last years forecasts. Snowmelt runoff flows could reach record highs, depending upon spring rain and temperatures. Those with properties in low-lying, floodplain areas should watch for sudden rise in streams or rivers, and contact the local disaster and emergency services coordinator or the National Weather Service to monitor high water conditions.

Surface Water Supply Index (SWSI) was +3.3 in the Smith River and +2.8 in the Musselshell River.

SMITH-JUDITH-MUSSELSHELL RIVER BASINS Streamflow Forecasts - March 1, 1997

	<<======	Drier	== Future Co	onditions =	Wetter	====>>	
Forecast			- Chance Of 1	Exceeding *			
Period	90% (1000AF)	70% (1000AF)			30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)

s APR-JUL							18.1
APR-SEP	25	28	30	143	32	35	21
APR-JUL	119	138	150	146	162	181	103
APR-SEP	141	164	180	145	196	219	124
APR-JUL	4.64	6.05	7.00	146	7.95	9.36	4.80
APR-SEP	5.47	7.03	8.10	145	9.17	10.73	5.60
APR-JUL	43	61	74	142	87	105	52
APR-SEP	47	66	79	141	92	111	56
	Period s APR-JUL APR-SEP APR-JUL APR-SEP APR-JUL APR-SEP APR-JUL APR-SEP	Porecast 905 1000AF) Period 905 1100AF) Period 905 1100AF) Period 905 1100AF 1	POTECNAR POTECNAR	Chance Of Feriod 190	Porecast	Porecast Period 90% 70% 50% (Most Probable) 30%	Chance Of Exceeding Chance Of Exceeding

SMITH-JUDITH-MU: Reservoir Storage (1)				SMITH-JUDITH-MUSSELSHELL RIVER BASINS Watershed Snowpack Analysis - March 1, 1997					
Reservoir	Usable Capacity	*** Usal This Year	ole Storag Last Year	ge *** Avg	Watershed I	Number of Data Sites	This Yea	r as % of Average	
SMITH RIVER	10.6	6.2	9.2	6.7	SMITH	6	135	144	
NEWLAN CREEK		NO REPO	RT		JUDITH	6	141	119	
BAIR	7.0	2.6	6.2	4.2	MUSSELSHELL	6	152	139	
MARTINSDALE	23.1	9.8	13.5	9.4	SMITH-JUDITH-MUSSELSHELI	12	144	133	
DEADMAN'S BASIN	72.2	50.3	66.0	46.1					

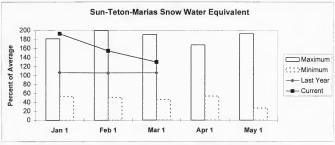
^{* 90%, 70%, 30%,} and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
 The value is natural flow - actual flow may be affected by upstream water management.

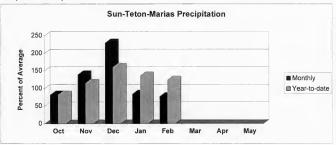
Sun-Teton-Marias River Basins

Snowpack conditions in the Sun-Teton-Marias River Basins were well above average and the fourth highest of record for the period 1961-1996. Snow water content in the Sun River was 30 percent above average and 23 percent above last year; the Teton River was 23 percent above average and 12 percent above last year; and the Marias River was 30 percent above average and 22 percent above last year.



January maximum swe was established in 1991 and minimum swe was in 1988, February maximum swe was in 1972 and minimum swe was in 1974 and minimum, swe was in 1974 and minimum, swe was in 1984, and minimum, in 1972 and minimum, swe was in 1984, May maximum swe was in 1984 and minimum, swe was in 1984, May maximum swe was in 1972 and minimum, swe was in 1982. A varieg is for the period 1961 through 1990.

Mountain and valley precipitation during February in the Sun River was 39 percent below average and 65 percent below last year; the Teton River was 14 percent below average and 51 percent below last year; and the Marias River was 24 percent below average and 44 percent below last year. Water year precipitation, beginning October 1, 1996, for the three combined basins was 24 percent above average and 11 percent below last year.



Reservoir storage, on the last day of February, was 20 percent above average and 16 percent below last year. Gibson storage was 26 percent below average and 39 percent below last year, Pishkun storage was 102 percent above average and 73 percent above last year, Willow Creek storage was 70 percent below average and 76 percent below last year, Lower Two Medicine Lake storage was 42 percent below average and 62 percent below last year, Four Horns Lake storage was 2 percent below average and 68 percent above last year, Swift storage was 12 percent below average and 41 percent below last year, and Lake Elwell (Tiber) storage was 29 percent above average and 3 percent above average and 25 percent below last year, and Lake Elwell (Tiber) storage was 29 percent above average and 13 percent below last year.

Streamflows, for the period April through July, are forecast to be 37 percent above average and 22 percent above last years forecasts. Snowmelt runoff flows could reach record highs, depending upon spring rain and temperatures. Those with properties in low-lying, floodplain areas should watch for sudden rise in streams or rivers, and contact the local disaster and emergency services coordinator or the National Weather Service to monitor high water conditions.

Surface Water Supply Index (SWSI) was +2.6 in the Sun River; +2.1 in the Teton River; +2.7 in the Birch/Dupuyer Crecks; and +2.8 in the Marias River.

SUN-TETON-MARIAS RIVER BASINS Streamflow Forecasts - March 1, 1997

*****************	*****					**********		
		<<=====	Drier ====	== Future C	onditions =	Wetter	>	
Forecast Point	Forecast			Chance Of	Exceeding *			
	Period	90%	70%		Probable)	30%	10%	30-Yr Avg.
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
					***********			************
SUN RIVER at Gibson Dam (2)	APR-JUL	483	559	610	128	661	737	478
	APR-SEP	531	611	665	126	719	799	526
TWO MEDICINE RIVER near Browning (2)	APR-JUL	228	274	305	142	336	382	215
	APR-SEP	243	289	320	140	351	397	228
BADGER CREEK near Browning (2)	APR-JUL	102	122	135	130	148	168	104
	APR-SEP	125	146	160	133	174	195	120
SWIFT RESERVOIR Inflow near Dupuver	APR-JUL	65	80	90	132	100	115	68
oniii kabaktoin illiisoo nosa sapayos	APR-SEP	79	95	105	131	116	131	80
DUPUYER CREEK near Valier	APR-JUL	9.1	18.0	24	155	30	3.9	15.5
DOLOLLIK GREEK MARK VARROR	APR-SEP	10.5	19.7	26	149	32	42	17.4
CUT BANK CRREK at Cut Bank	APR-JUL	105	120	130	149	140	155	87
COT BANK CREEK AC CUC DAILS	APR-SEP	114	130	140	146	151	166	96
MARIAS RIVER near Shelby (2)	APR-JUL	497	588	650	145	712	803	447
MAKIAS KIVER Hear Shelby (2)	APR-SEP	526	613	675	139	712	984	487
	APR-SEP	526	013	675	139	/3/	904	407

SUN-TETON-Mi Reservoir Storage (1)	ARIAS RIVER B 000 AF) - End			SUN-TETON-MARIAS RIVER BASINS Watershed Snowpack Analysis - March 1, 1997					
Reservoir	Usable Capacity	*** Usa This Year	ble Stora Last Year	ge *** Avg	 Watershed	Number of Data Sites	This Ye	ar as % of Average	
GIBSON	99.1	35.0	57.8	47.5	SUN	7	123	130	
PISHKUN	32.0	35.6	20.6	17.6	TETON	4	112	123	
WILLOW CREEK	32.2	6.6	27.8	21.7	MARIAS	6	122	130	
LOWER TWO MEDICINE LAKE	11.9	4.0	10.5	6.9	SUN-TETON-MARIAS	14	123	130	
FOUR HORNS LAKE	19.2	12.3	7.3	12.5					
SWIFT	30.0	14.4	24.5	16.4					
LAKE FRANCES	112.0	71.6	95.4	69.7					
LAKE ELWELL (TIBER)	1347.0	748.5	865.2	580.2					

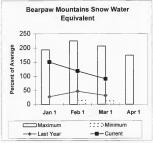
^{* 90%, 70%, 30%,} and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

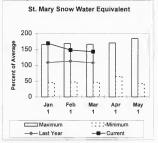
The average is computed for the 1961-1990 base period.

The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
 The value is natural flow - actual flow may be affected by upstream water management.

St. Mary and Milk River Basins

Snowpack conditions in the St. Mary were well above average and in the Milk were slightly above average. This was the fifth highest of record in the St. Mary yor the period 1961-1996. Snow water content in the St. Mary was 8 percent above average and 266 percent above last year and the Milk was 40 percent below average and 768 percent above last year.

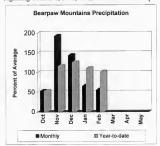


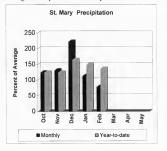


Beapsav - January maximum swe was established in 1978 and minimum swe was in 1981, February maximum swe was 1975 and minimum was was 1981, April 1975. March maximum swe was 1975 and minimum was was 1981, April maximum swe was 1975 and minimum was was in 1983. May maximum swe was 1975 and the minimum swe was in 1983. May maximum swe was 1975 and the minimum has ocurred in several years. Average is for the period 1961 through 1996.

St. May - January maximum swe was established in 1991 and minimum swe was in 1988, February maximum swe was in 1972 and minimum swe was in 1974 and minimum swe was in 1974 and minimum swe was in 1974 and minimum swe was in 1974 and minimum swe was in 1974 and minimum swe was in 1974 and minimum swe was in 1974 and minimum swe was in 1992, May maximum swe was in 1992 and minimum swe was in 1997, and June maximum swe was in 1991 and minimum swe was in 1994 and minimum swe was in 1994 and minimum swe was in 1994 and minimum swe was in 1994 and minimum swe was in 1994 and minimum swe was in 1994 and minimum swe was in 1994 and minimum swe was in 1997 and minimum swe was in 1994 and minimum swe was in 1995 and minimum swe was in 1995 and minimum swe was in 1997 and minimum swe was

Mountain and valley precipitation during February in the St. Mary River was 22 percent below average and 44 percent below last year and in the Milk River was 44 percent below average and 27 percent below last year. Water year precipitation, beginning October 1, 1996, for the two basins was 24 percent above average and 16 percent below last year.





Reservoir storage, on the last day of February, was 16 percent above average and 20 percent below last year. Lake Sherburne storage was 20 percent above average and 16 percent below last year; Fresno storage was 32 percent above average and 31 percent below last year; Beaver Creek storage was 60 percent above average and 3 percent below last year; and Nelson storage was 12 percent below last year; and Nelson storage was 12 percent below average and 13 percent above last year.

Streamflows, for the period April through July or March through July, in the St. Mary are forecast to be 25 percent above average and 16 percent above last years forecasts and in the Milk are forecast to be 36 percent above average and 34 percent above last year.

Surface Water Supply Index (SWSI) was +2.9 for the combined St. Mary and Milk River.

ST. MARY and MILK RIVER BASINS Streamflow Forecasts - March 1, 1997

		<<	Drier	Future Co	onditions ==	Wetter	====>>	
Forecast Point	Forecast			- Chance Of E	Exceeding *			
,	Period	90%	70%	50% (Most	Probable)	30%	10%	30-Yr Avg
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)

WIFTCURRENT CREEK at Sherburne (2)	APR-JUL	115	124	130	122	136	145	107
	APR-SEP	139	148	155	124	162	171	125
r. MARY RIVER near Babb	APR-JUL	448	479	500	127	521	552	395
	APR-SEP	529	565	590	127	615	651	463
T. MARY RIVER at US/CAN Border (2)	APR-JUL	497	543	575	125	607	653	462
	APR-SEP	584	635	670	124	705	756	539
ILK RIVER at Western Crossing	MAR-JUL	44	53	60	136	67	76	44
	MAR-SEP	51	56	62	135	69	100	4.6
ILK RIVER at Bastern Crossing (2)	MAR-JUL	72	95	110	138	126	148	80
	MAR-SEP	100	105	120	136	135	173	88
EAVER CREEK near Havre	MAR-JUL	4.4	9.2	12.5	121	15.8	21	10.3

ST. MARY : Reservoir Storage	and MILK RIVER B (1000 AF) - End		ary		ST. MARY and MILK RIVER BASINS Watershed Snowpack Analysis - March 1, 1997					
Reservoir	Usable Capacity	*** Usal This Year	ble Storaç Last Year	ge *** Avg	Watershed	Number of Data Sites		ear as % of r Average		
LAKE SHERBURNE	64.3	31.5	37.7	26.3	ST. MARY	3	132	143		
FRESNO	127.0	68.6	99.9	52.0	BEARPAW MOUNTAINS	6	353	91		
BEAVER CREEK	3.5	3.2	3.3	2.0	CYPRESS HILLS, CANADA	6	145	123		
NELSON	66.8	31.2	27.7	35.3	MILK RIVER BASIN	11	201	107		
					ST. MARY & MILK BASINS	15	147	130		

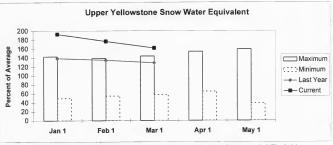
^{* 90%, 70%, 30%,} and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

^{(1) -} The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural flow - actual flow may be affected by upstream water management.

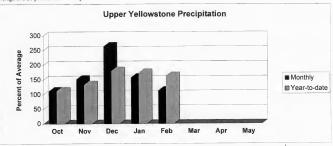
Upper Yellowstone River Basin

Snowpack conditions in the Upper Yellowstone River Basin were well above average and has set a new record, for the period 1961-1996, previously set in 1971 and was 44 percent above average. Snow water content was 62 percent above average and 25 percent above last vear.



January maximum swe was established in 1976 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1971 and minimum swe was in 1977; April maximum swe was in 1971 and minimum swe was in 1981; May maximum swe was in 1971 and minimum swe was in 1987; and June maximum swe was 1982 and minimum swe was in 1987 and 1994. Average is for the period 1961 through 1990.

Mountain precipitation during February was 15 percent above average and 3 percent above last year. Valley precipitation during February was 27 percent below average and 48 percent below last year. Water year precipitation, beginning October 1, 1996, was 63 percent above average and 21 percent above last year.



Reservoir storage, on the last day of February, was 5 percent below average and 2 percent below last year. Mystic Lake storage was 36 percent below average and 95 percent above last year and Cooney storage was 7 percent above average and 12 percent below last year.

Streamflows, for the period April through July, are forecast to be 59 percent above average and 30 percent above last years forecasts. Snowmelt runoff flows could reach record highs, depending upon spring rain and temperatures. Those with properties in low-lying, floodplain areas should watch for sudden rise in streams or rivers, and contact the local disaster and emergency services coordinator or the National Weather Service to monitor high water conditions.

There are new streamflow records forecast for the period April through July at Yellowstone River at Corwin Springs, Yellowstone River near Livingston, Shields River near Livingston, and Yellowstone River at Billings.

Surface Water Supply Index (SWSI) was +4.0 in the Yellowstone River above Livingston;

+4.0 in the Shields River; +4.0 in the Boulder River; +4.0 in the Stillwater River; +4.0 in the Rock/Red lodge Creeks; +4.0 in the Clarks Fork River; and +4.0 in the Yellowstone River above Bighorn River.

UPPER YELLOWSTONE RIVER BASIN Streamflow Forecasts - March 1, 1997

***************************************		<<=====	Drier	Future Co	onditions =	===== Wetter	====>>	
Porecast Point	Forecast							
	Period	90%	70%	50% (Most		30%	10%	30-Yr Avg.
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
MELLOWSTONE at Lake Outlet	APR-JUL	721	789	835	146	881	949	573
	APR-SEP	994	1087	1150	145	1213	1306	792
ELLOWSTONE RIVER at Corwin Springs	APR-JUL	2356	2466	2540	158	2614	2724	1609
	APR-SEP	2811	2941	3030	156	3119	3249	1937
FELLOWSTONE RIVER near Livingston	APR-JUL	2735	2875	2970	160	3065	3205	1855
EDDOWSTONE RIVER HEAT DIVINGSCON	APR-SEP	3264	3428	3540	158	3652	3816	2241
	APR-SEF	3204	3420	3540	130	3032	3010	2241
HIELDS RIVER near Livingston	APR-JUL	219	249	270	167	291	321	162
	APR-SEP	249	279	300	168	321	351	179
ULDER RIVER at Big Timber	APR-JUL	432	473	500	149	527	568	335
	APR-SEP	480	522	550	151	578	620	364
EST ROSEBUD CREEK near Roscoe (2)	APR-JUL	73	81	86	141	91	99	61
	APR-SEP	96	105	110	139	116	124	79
TILLWATER RIVER nr Absarokee (2)	APR-JUL	562	647	705	142	763	848	498
	APR~SEP	664	751	810	137	869	956	593
LARKS FORK RIVER near Belfry	APR-JUL	682	741	780	147	819	878	532
,	APR-SEP	779	839	880	149	921	981	590
ED LODGE CREEK blw Cooney Res (2)	APR-JUL	42	59	70	149	82	98	47
	APR-SEP	52	69	80	140	91	108	57
ELLOWSTONE RIVER at Billings (2)	APR-JUL	5215	5638	5925	166	6212	6635	3577
and the second second second second	APR-SEP	6239	6689	6995	166	7301	7751	4211

	UPPER YELLOWSTONE RIVER BASIN Reservoir Storage (1000 AF) - End of February						UPPER YELLOWSTONE RIVER BASIN Watershed Snowpack Analysis - March 1, 1997					
Reservoir	Usable Capacity	*** Usa This Year	ble Storag Last Year	e *** Avg	Watershed D	Number of ata Sites	This Yea:					
MYSTIC LAKE	21.0	3.7	1.9	5.8	abv LIVINGSTON	16	123	164				
COONEY	27.4	16.5	18.7	15.4	SHIELDS	6	170	175				
					BOULDER-STILLWATER	4	123	154				
					CLARK'S FORK-ROCK CREEK	13	110	152				
					UPPER YELLOWSTONE RIVER	35	125	162				

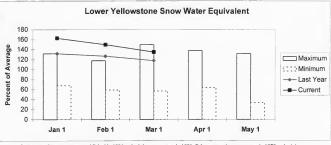
^{* 90%, 70%, 30%,} and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

^{(1) -} The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural flow - actual flow may be affected by upstream water management.

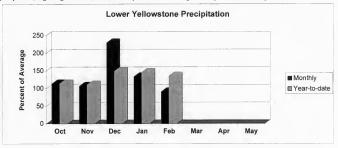
Lower Yellowstone River Basin

Snowpack conditions in the Lower Yellowstone River Basin were well above average and the second highest of record, for the period 1961-1996. Snow water content was 35 percent above average and 14 percent above last year.



January maximum swe was established in 1996 and minimum swe was in 1981; February maximum swe was in 1917 and minimum swe was in 1981, March maximum swe was in 1986 and minimum swe was in 1973; April maximum swe was in 1986 and minimum swe was in 1974; That is 1986 and minimum swe was in 1981; and June maximum swe was in 1986 and minimum swe was in 1981; and June maximum swe was in 1986 and minimum swe was in 1995. A terrage is for the prior of 1981 through 1981.

Mountain and valley precipitation during February was 9 percent below average and 3 percent below last year. Water year precipitation, beginning October 1, 1996, was 36 percent above average and 11 percent above last year.



Reservoir storage, on the last day of February, was 7 percent below average and 8 percent below last year. Bighorn Lake storage was 6 percent below average and 7 percent below last year and Tongue River was 23 percent below average and 32 percent below last year.

Streamflows, for the period April through July, are forecast to be 60 percent above average and 29 percent above last years forecasts. Snowmelt runoff flows could reach record highs, depending upon spring rain and temperatures. Those with properties in low-lying, floodplain areas should watch for sudden rise in streams or rivers, and contact the local disaster and emergency services coordinator or the National Weather Service to monitor high water conditions.

There are new streamflow records forecast for the period April through July at Yellowstone River at Miles City and the Yellowstone River near Sidney.

Surface Water Supply Index (SWSI) was +3.6 in the Bighorn River below Bighorn Lake; +1.4 in the Little Bighorn River; +3.8 in the Yellowstone River below Bighorn River; +1.6 in the Tongue River; and +2.1 in the Powder River.

LOWER YELLOWSTONE RIVER BASIN Streamflow Forecasts - March 1, 1997

		<<======	Drier	== Future Co	onditions ==	Wetter	====>>	
Forecast Point	Forecast			Chance Of 1	Exceeding *			
rozecube rozne	Period	90%	70%	50% (Most		3.0%	10%	30-Yr Avg.
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
			*********	*********				
YELLOWSTONE RIVER at Billings (2)	APR-JUL	5215	5638	5925	166	6212	6635	3577
	APR-SEP	6239	6689	6995	166	7301	7751	4211
BIGHORN RIVER nr St. Kavier (2)	APR-JUL	2164	2483	2700	164	2917	3236	1645
	APR-SEP	2407	2756	2996	166	3236	3566	1810
LITTLE BIGHORN RIVER or Hardin	APR-JUL	98	138	165	118	192	232	140
January Dagitoria. Harantina in the control of the	APR-SEP	78	149	180	115	211	267	156
TONGUE RIVER stateline nr Decker (2)	APR-JUL	182	235	270	117	305	358	230
	APR-SEP	155	258	295	118	332	383	250
YELLOWSTONE RIVER at Miles City (2)	APR-JUL	7149	8073	8700	160	9327	10251	5431
,	APR-SEP	8731	9491	10200	162	10909	11620	6281
POWDER RIVER at Moorhead	APR-JUL	158	204	235	111	266	312	211
	APR-SEP	100	229	260	112	291	394	232
POWDER RIVER near Locate	APR-JUL	203	255	290	115	325	377	252
2000	APR-SEP	116	275	320	116	365	490	275
YELLOWSTONE RIVER nr Sidney (2)	APR-JUL	8201	9272	10000	169	10728	11799	5925
ammonoson section the battley (a)	APR-SEP	9155	10105	11000	168	11895	12686	6539

LOWER YELLOW Reservoir Storage (10	STONE RIVER B		ary		LOWER YELLOWSTONE RIVER BASIN Watershed Snowpack Analysis - March 1, 1997					
Reservoir	Usable Capacity	*** Usa This Year	ble Storag Last Year	ge *** Avg	Watershed	Number of Data Sites	This Ye	ar as % of Average		
BIGHORN LAKE	1356.0	762.4	821.4	810.4	WIND RIVER (Wyoming)	20	112	143		
TONGUE RIVER	68.0	23.1	34.2	30.1	SHOSHONE RIVER (Wyoming	t) e	101	160		
					BIGHORN RIVER (Wyoming)	20	114	140		
					LITTLE BIGHORN (Wyoming	j) 3	120	112		
					TONGUE RIVER (Wyoming)	9	112	114		
					POWDER RIVER (Wyoming)	9	133	128		
					LOWER YELLOWSTONE RIVER	48	114	135		
					YELLOWSTONE BASIN	79	122	148		

^{• 90%, 70%, 30%,} and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table. The average is computed for the 1961-1990 base period.

The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
 The value is natural flow - actual flow may be affected by upstream water management.





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Montana

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Natural Resources Conservation Service
Bozeman, MT

